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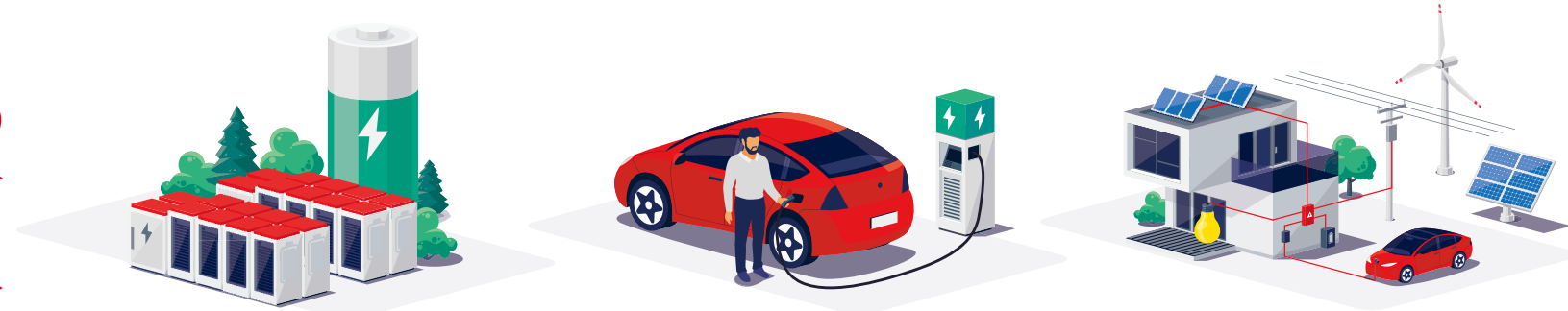


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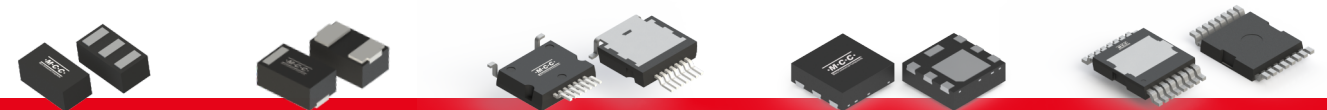


SOLUTIONS FOR DIVERSE APPLICATIONS



2024

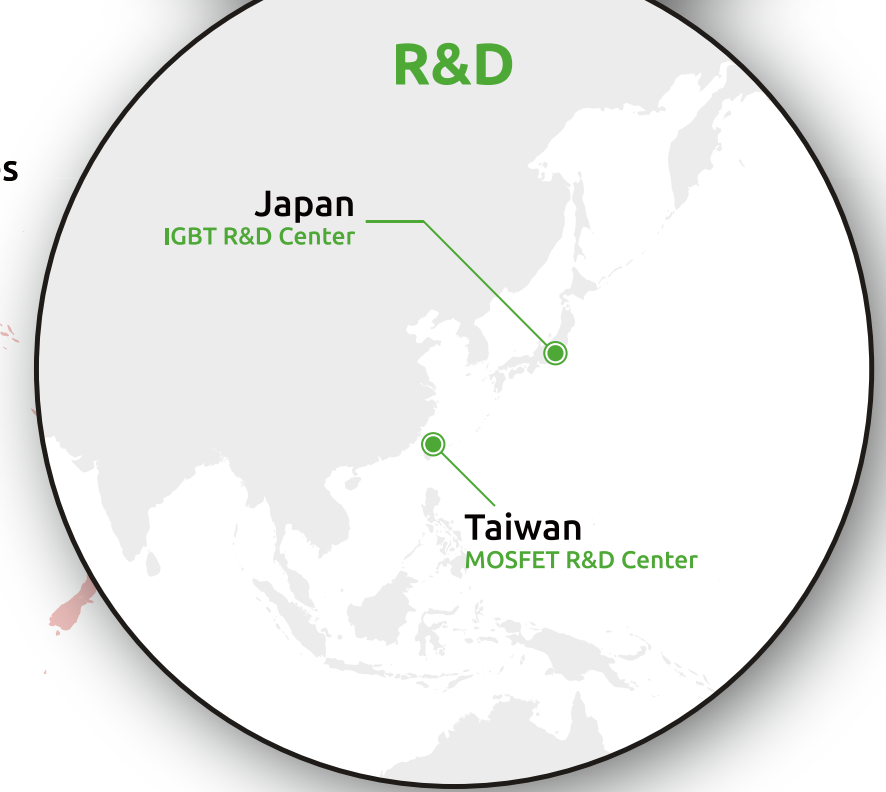
PRODUCT CATALOG



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WORLDWIDE SOLUTIONS

Wherever you're located, MCC can deliver high-quality discrete semiconductors to move your business forward.



● Offices ○ Sales

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MOSFETs

MOSFETs are versatile workhorses in power electronics. When reliable switching, low on-resistance, and a compact footprint are needed, our portfolio provides the performance and reliability required for industrial and automotive applications. MCC's array of MOSFETs includes AEC-Q101 qualified solutions, as well as efficient package options in diverse configurations and power ranges.

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Automotive Products

Automotive MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)		R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)		
MCMN2014HE3	DFN2020-6LE	N	0.74	12	±8	15		0.009	0.011	0.40	1.10	1791	No
SI2102AHE3	SOT-323	N	0.35	20	±10	2		0.08	0.098	0.50	1.10	210	No
SI2312HE3	SOT-23	N	0.35	20	±8	5		0.0318	0.0356	0.45	1.00	865	No
2SK3019HE3	SOT-523	N	0.15	30	±20	0.115	4	5	7	0.80	1.50	28	Yes
SI3400AHE3	SOT-23	N	1.3	30	±12	5.8	0.027	0.033	0.051	0.70	1.20	630	No
SI3404HE3	SOT-23	N	1.2	30	±20	5.8	0.028	0.042		1.00	3.00	820	No
SIL3400AHE3	SOT23-6L	N	1.8	30	±12	5.8	0.026	0.033		0.50	1.50	580	No
SI02N04AKHE3	SOT-23	N	1.1	40	±20	2.5	0.091	0.135		1.00	2.50	150	Yes
MCG30N04HE3	DFN3333	N	24	40	±20	30	0.014	0.0185		1.00	2.50	990	No
MCAC30N04HE3	DFN5060	N	35.7	40	±20	30	0.016	0.02		1.00	2.50	967	No
MCACD30N04HE3	PDFN5060-8D	N+N	35	40	±20	30	0.015	0.023		1.00	2.50	1030	No
MCG35N04HE3	DFN3333	N	40	40	±20	35	0.008	0.013		1.00	2.50	2000	No
MCU40N04HE3	DPAK	N	56	40	±20	40	0.013	0.023		1.00	2.50	1000	No
MCACD50N04YHE3	PDFN5060-8D	N+N	42	40	±20	50	0.0051	0.008		1.00	2.00	1392	No
MCACD55N04YHE3	PDFN5060-8D	N+N	60	40	±20	55	0.0085			2.00	4.00	935	No
MCAC60N04HE3	DFN5060	N	50	40	±20	60	0.007			1.00	2.50	2023	No
MCAC75N04YHE3	DFN5060	N	74	40	±20	75	0.0068			2.00	4.00	1000	No
MCAC130N04YHE3	DFN5060	N	150	40	±20	130	0.00175	0.0025		1.20	2.50	7400	No
MCAC180N04YHE3	DFN5060	N	115	40	±20	180	0.002			2.00	4.00	4380	No
MCB220N04YHE3	D2-PAK	N	250	40	±20	220	0.0015			2.00	4.00	7864	No
MCACL220N04YHE3	DFN5060-C	N	125	40	±20	220	0.0013	0.002		1.00	2.50	7216	No
MCBS220N04YHE3	TO-263-7	N	250	40	±20	220	0.0011			2.00	4.00	7967	No
MCTL270N04YHE3	TOLL-8L	N	468	40	±20	270	0.0013	0.0028		2.00	4.00	8010	No
MCACL280N04YHE3	DFN5060-C	N	197	40	±20	280	0.0008			2.00	4.00	5413	No
MCACL320N04YQ	DFN5060-C	N	230	40	±20	320	0.0011			2.00	3.00	6914	No
MCTL320N04YQ	TOLL-8L	N	214	40	±20	320	0.0011			2.00	3.00	6914	No
MCB180N04YHE3	D2-PAK	N	150	40	±20	180	0.0025			2.00	4.00	4650	No
BSS138AHE3	SOT-23	N	0.62	50	±20	0.22	1.6	2.5	3.8	0.80	1.45	29	Yes
BSS138AKDWHE3	SOT-363	N+N	0.32	50	±20	0.22	1.6	2.5	3.8	0.80	1.45	29.5	Yes
2N7002KDWBQ	SOT-363	N+N	0.24	60	±20	0.22	2.5	3		0.80	2.40	25	Yes
2N7002KDQ	SOT-23	N	0.526	60	±20	0.3	2			1.10	2.40	25	Yes
2N7002KHE3	SOT-23	N	0.35	60	±20	0.34	2.5	3		1.00	2.50	40	Yes
2N7002KWHE3	SOT-323	N	0.2	60	±20	0.34	2.5	3		1.00	2.00	40	Yes
SI2310AHE3	SOT-23	N	1.2	60	±20	3	0.1	0.12		0.90	2.00	409	No
SIL05N06HE3	SOT23-6L	N	1.8	60	±20	5	0.043	0.047		1.00	3.00	1175	No
MCG18N06HE3	DFN3333	N	19.8	60	±20	18	0.03	0.035		1.00	2.50	1200	No
MCU20N06BHE3	DPAK	N	40	60	±20	20	0.043	0.047		1.00	2.50	1135	No
MCACD20N06HE3	PDFN5060-8D	N+N	35.7	60	±20	20	0.03	0.04		1.00	2.50	1191	No
MCAC30N06HE3	DFN5060	N	45	60	±20	30	0.021	0.026		1.00	2.50	2450	No
MCU50N06AHE3	DPAK	N	59.5	60	±20	50	0.015	0.018		1.00	2.50	2515	No
MCACD50N06YHE3	PDFN5060-8D	N+N	69	60	±20	50	0.009	0.013		1.00	2.50	2100	No
MCG53N06AHE3	DFN3333	N	45	60	±20	53	0.0082	0.012		1.50	2.50	1850	No
MCAC53N06YHE3	DFN5060	N	69	60	±20	53	0.0075	0.0095		1.20	2.50	2100	No
MCG60N06YHE3	DFN3333	N	60	60	±20	60	0.006	0.0083		1.00	2.50	1666	No

Automotive Products

Automotive MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCACD60N06YHE3	PDFN5060-8D	N+N	50	60	±20	60	0.0065	0.009		1.00	2.50	1740	No
MCAC65N06YHE3	DFN5060	N	100	60	±20	65	0.0052	0.0078		1.00	2.50	1740	No
MCU75N06YHE3	DPAK	N	100	60	±20	75	0.0048	0.0071		1.00	2.50	1698	No
MCU80N06AHE3	DPAK	N	78	60	±20	80	0.0075	0.01		1.20	2.50	2100	No
MCAC95N06YHE3	DFN5060	N	120	60	±20	95	0.0038	0.0045		1.20	2.20	5300	No
MCB200N06YHE3	D2-PAK	N	260	60	±20	200	0.0035	0.0045		1.00	2.50	6000	No
BSS123KHE3	SOT-23	N	0.78	100	±20	0.28	4.6	6		1.50	2.50	32	Yes
MCACD20N10YHE3	PDFN5060-8D	N+N	50	100	±20	20	0.022	0.027		1.00	2.50	1240	No
MCAC38N10YHE3	DFN5060	N	59	100	±20	38	0.019	0.023		1.00	2.50	1166	No
MCG40N10YHE3	DFN3333	N	43	100	±20	40	0.0185	0.0225		1.00	2.50	1220	No
MCU45N10HE3	DPAK	N	73.5	100	±20	45	0.017	0.0215		1.00	2.50	1165	No
MCAC60N10YAHE3	DFN5060	N	78	100	±20	60	0.01	0.013		1.00	2.80	2500	No
MCAC100N10YHE3	DFN5060	N	113	100	±20	100	0.0055			2.00	4.00	4700	No
MCBS260N10YHE3	TO-263-7	N	375	100	±20	260	0.0018			2.00	4.00	10589	No
MCTL300N10YHE3	TOLL-8L	N	375	100	±20	300	0.00155			2.10	3.90	10051	No
MCAC70N15YHE3	DFN5060	N	150	150	±20	70	0.017			2.00	4.00	2527	No
SIL2305CHE3	SOT23-6L	P	1.8	-20	±12	-5.6		0.04	0.055	-0.50	-1.00	770	No
SI2305CHE3	SOT-23	P	1.3	-20	±12	-5.4		0.04	0.055	-0.50	-1.00	770	No
SIL3415CHE3	SOT23-6L	P	1	-20	±10	-5		0.045		-0.50	-1.25	540	Yes
SI2305BHE3	SOT-23	P	1.4	-20	±10	-4.2		0.06	0.08	-0.50	-0.90	770	No
SI3415CHE3	SOT-23	P	1	-20	±10	-3.9		0.04	0.075	-0.55	-1.25	540	Yes
SI2301AHE3	SOT-23	P	1	-20	±10	-3.4		0.051	0.067	-0.40	-1.00	438	No
SI2101AHE3	SOT-323	P	0.3	-20	±10	-1.2		0.13	0.17	-0.30	-1.00	210	No
SI3401AHE3	SOT-23	P	1.2	-30	±12	-4.2	0.06	0.07	0.085	-0.70	-1.30	1050	No
SI3407HE3	SOT-23	P	1.3	-30	±20	-4.1	0.049	0.065		-1.00	-2.40	592	No
MCAC50P04HE3	DFN5060	P	96	-40	±20	-50	0.013	0.02		-1.00	-2.50	3302	No
MCU50P04AHE3	DPAK	P	83	-40	±20	-50	0.015	0.02		-1.00	-2.50	3302	No
MCG25P05YHE3	DFN3333	P	74	-48	±20	-25	0.045	0.061		-1.50	-2.70	1024	No
MCAC80P06YHE3	DFN5060	P	120	-60	±18	-80	0.008			-2.00	-4.00	5300	No
MCU50P06YHE3	DPAK	P	89	-60	±20	-50	0.012	0.016		-1.00	-3.00	4600	No
MCG08P06HE3	DFN3333-8	P	20.8	-60	±20	-8	0.0284	0.0393		-1.00	-3.00	4346	No
BSS84HE3	SOT-23	P	0.5	-60	±20	-0.2	3.6	4.7		-0.90	-2.00	27	No
MCAC25P10YHE3	DFN5060	P	88	-100	±20	-25	0.055	0.062		-1.00	-2.50	2077	No
MCU18P10YHE3	DPAK	P	73.5	-100	±20	-18	0.11	0.12		-1.00	-2.50	1014	No
MCG15P10YHE3	DFN3333	P	50	-100	±20	-15	0.11	0.12		-1.00	-2.50	1100	No
MCU15P10YHE3	DPAK	P	50	-100	±20	-15	0.12			-2.00	-4.00	920	No
MCACD12NP10YHE3	PDFN5060-8D	N+P	104/-69	100/-100	±20	40/-12	0.024/0.115	0.030/0.138		1.2/-1.2	2.5/-2.5	1270.0/1120.0	No
SIL2429HE3	SOT23-6L	N+P	0.67	20/-20	±10	2.0/-1.6		0.057/0.120	0.075/0.165	0.55/-0.4	1.1/-1.0	188.0/214.0	No

Small Signal MOSFETs

N-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)	
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)		
SI3134KL3A	DFN1006-3	N	0.9	20	±12	0.750		0.3	0.35		0.35	1.1	33	Yes
SI3134KL3B	DFN1006-3A	N	0.9	20	±10	0.750		0.25	0.34		0.35	1.2	33	Yes
SI3134KS	SOT-23	N	0.35	20	±12	0.750		0.3	0.4		0.35	1.1	33	Yes
SI3134KWA	SOT-323	N	0.2	20	±12	0.750		0.3	0.4		0.5	1.1	33	Yes
SI3134KDDWA	SOT-363	N+N	0.15	20	±12	0.750		0.3	0.4		0.5	1.1	33	Yes
SI3134KEA	SOT-523	N	0.18	20	±12	0.750		0.3	0.4		0.5	1.1	33	Yes
SIX3134KA	SOT-563	N+N	0.18	20	±12	0.750		0.3	0.4		0.5	0.95	33	Yes
SI3134KA	SOT-723	N	0.15	20	±12	0.750		0.3	0.4		0.35	1.1	33	Yes
SI2124DW	SOT-363	N+N	0.15	20	±10	1.500		0.09	0.105		0.55	1.1	220	No
SI2302	SOT-23	N	1.56	20	±8	3.000		0.027	0.037		0.65	1.2	388	No
SI2302A	SOT-23	N	1.25	20	±8	3.000		0.072	0.11		0.65	1.2	237	No
SI2302B	SOT-23	N	1.1	20	±10	3.000		0.05	0.07		0.55	1.1	190	No
SIL2322A	SOT23-6L	N+N	1.25	20	±8	3.000		0.03	0.04		0.55	1.25	500	No
SI2102A	SOT-323	N	120	20	±10	3.000		0.07	0.098		0.55	1	220	No
SIL2300	SOT23-6L	N+N	1.25	20	±10	4.000		0.025	0.032		0.45	1	620	No
SI2300	SOT-23	N	1	20	±10	4.500		0.025	0.038		0.5	0.9	482	No
SI2312	SOT-23	N	1.25	20	±8	5.000		0.0318	0.0356		0.45	1	865	No
SI2312A	SOT-23	N	0.35	20	±8	5.000		0.025	0.033		0.5	0.9	865	No
SI3420A	SOT-23	N	1.25	20	±10	6.000		0.028	0.035		0.5	1	888	No
SI2312B	SOT-23	N	1.25	20	±10	6.800		0.021	0.03		0.5	0.9	500	No
SI8810	SOT-23	N	1.3	20	±12	7.000	0.02	0.022	0.026		0.4	0.9	1150	Yes
SIL2300A	SOT23-6L	N+N	1.5	20	±10	7.000		0.018	0.022		0.45	1	900	No
SIL08N02	SOT23-6L	N	1.5	20	±10	8.000		0.017	0.021		0.45	1	900	No
MCMN2012A	DFN2020-6JA	N	13.8	20	±10	12.000		0.013	0.018		0.35	1	863	No
MCMN2014A	DFN2020-6J	N	40	20	±10	13.000		0.009	0.012		0.5	1.1	1302	No
2SK3018	SOT-323	N	0.2	30	±20	0.100			13		0.8	1.5	13	Yes
2SK3019	SOT-523	N	0.15	30	±20	0.100			13		0.8	1.5	13	Yes
2SK3019A	SOT-523	N	0.15	30	±20	0.100		8			0.8	1.5	13	Yes
MC3541A	SOT-723	N	0.27	30	±20	0.300	3	4	8		0.8	1.45	28	Yes
SI0301	SOT-23	N	0.83	30	±8	0.500		0.75	0.93		0.5	1	54	Yes
UM6K1NA	SOT-363	N+N	0.3	30	±20	0.500	0.75	0.96			0.7	1.5	28	Yes
UM6K1NA-TPQ2	SOT-363	N+N	0.3	30	±20	0.500	0.75	0.96			0.7	1.5	28	Yes
UM6X1NA	SOT-563	N+N	0.15	30	±20	0.500	0.75	0.96			0.7	1.5	28	Yes
2SK3020	SOT-723	N	0.2	30	±20	0.500	0.75	0.95			0.7	1.5	29	Yes
SI3099	SOT-23	N	0.83	30	±12	1.100	0.408	0.518	0.8		0.5	1.5	61	Yes
SI2304	SOT-23	N	1	30	±20	2.500	0.065	0.09			1	2	240	No
SI2306	SOT-23	N	0.75	30	±20	3.160	0.047	0.065			1	3	305	No
SI3402	SOT-23	N	1.3	30	±12	4.000	0.055	0.07	0.11		0.6	1.4	390	No
MCM3400A	DFN2020-6L	N+N	1.4	30	±12	5.000	0.032	0.038	0.045		0.7	1.5	1155	No
SI3400B	SOT-23	N	1	30	±12	5.600	0.028	0.03	0.055		0.6	1.5	34	No
SI3400	SOT-23	N	0.35	30	±12	5.800	0.035	0.04	0.052		0.7	1.4	1050	No
SI3400A	SOT-23	N	1.3	30	±12	5.800	0.027	0.033	0.051		0.7	1.2	1155	No
SI3404	SOT-23	N	1.2	30	±20	5.800	0.028	0.042			1	2.2	820	No
SIL3400A	SOT23-6L	N	2	30	±12	5.800	0.032	0.038	0.045		0.7	1.4	1155	No

Small Signal MOSFETs

N-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
SIL08N03	SOT23-6L	N	1.6	30	±20	8.000	0.014	0.016		1	3	900	No
MCM13N03	DFN2020-6LE	N	12.5	30	±20	13.000	0.012	0.015		1	2.5	1015	No
SI2318A	SOT-23	N	1.2	40	±20	5.000	0.045	0.06		0.8	1.8	330	No
SI0205	SOT-523	N	0.83	50	±8	0.200		4	4.3	0.3	0.8	24	Yes
BSS138	SOT-23	N	0.35	50	±20	0.220	2.5	3		0.8	1.5	27	No
BSS138A	SOT-23	N	0.35	50	±20	0.220	1.6	2.5	3.8	0.8	1.45	22.8	Yes
BSS138W	SOT-323	N	0.3	50	±20	0.220	3.5	6		0.8	1.5	27	No
BSS138AKDW	SOT-363	N+N	0.35	50	±20	0.220	2	2.5	4.5	0.8	1.45	22.8	Yes
BSS138AKDW-TPQ2	SOT-363	N+N	0.35	50	±20	0.220	2	2.5	4.5	0.8	1.45	22.8	Yes
BSS138BKDW	SOT-363	N+N	0.35	50	±20	0.220	1	1.1	1.6	0.8	1.45	22.8	Yes
BSS138BKDW-TPQ2	SOT-363	N+N	0.35	50	±20	0.220	1	1.1	1.6	0.8	1.45	22.8	Yes
BSS138KT	SOT-523	N	0.25	50	±20	0.250	1.6	2.5		0.5	1.5	22.8	Yes
BSS138BKT	SOT-523	N	0.27	50	±20	0.340	1.5	2.3	4.1	0.5	1.5	58	Yes
BSS138BKW	SOT-323	N	0.25	50	±20	0.370	1.5	2.3	4.1	0.5	1.5	58	Yes
BSS138BK	SOT-23	N	0.83	50	±20	0.590	1.5	2.3	4.1	0.5	1.5	58	Yes
BSS138B	SOT-23	N	0.83	50	±20	0.600	1.1	1.2		0.8	1.6	39	No
2N7002A	SOT-23	N	0.3	60	±30	0.115	3	4		1	2.5	50	No
2N7002W	SOT-323	N	0.2	60	±20	0.115	2.5	3		1	2	50	No
2N7002T	SOT-523	N	0.15	60	±20	0.115	13.5			1	2	50	No
2N7002V	SOT-563	N+N	0.15	60	±20	0.115	5			1	2.5	50	No
2N7002KL3A	DFN1006-3	N	0.2	60	±20	0.260	2.5	3		1	2.5	21	Yes
2N7002KS	SOT-23	N	0.35	60	±20	0.300	2.2	3		1	2.5	27	Yes
2N7002KT	SOT-523	N	0.3	60	±20	0.300	2.5	3		1	2.5	50	Yes
2N7002	SOT-23	N	1.08	60	±20	0.340	2.5	3		1	2.5	27.5	No
2N7002B	SOT-23	N	0.3	60	±30	0.340	3	4		1	2.5	50	No
2N7002K	SOT-23	N	0.83	60	±20	0.340	2.5	3		1	2.5	15	Yes
2N7002KA	SOT-23	N	0.35	60	±20	0.340	5	5.3		1	2.5	35	Yes
2N7002KW	SOT-323	N	0.2	60	±20	0.340	5	5.3		1	2	40	Yes
2N7002KWA	SOT-323	N	0.2	60	±20	0.340	2.5	3		1	2	40	Yes
2N7002DW	SOT-363	N+N	0.3	60	±20	0.340	2.5	3		1	2.5	50	No
2N7002DW-TPQ2	SOT-363	N+N	0.3	60	±20	0.340	2.5	3		1	2.5	50	No
2N7002KDW	SOT-363	N+N	0.3	60	±20	0.340	3	4		1	2.5	40	Yes
2N7002KDW-TPQ2	SOT-363	N+N	0.15	60	±20	0.340	3	4		1	2.5	40	Yes
2N7002KV	SOT-563	N+N	0.15	60	±20	0.340	5	5.3		1	2.5	40	Yes
2N7002KM	SOT-723	N	0.15	60	±20	0.340	4	4.5		1	2.5	40	Yes
2N7002C	SOT-23	N	0.83	60	±20	0.350	1	1.4		1.1	2.5	34	No
2N7002KL3	DFN1006-3	N	0.1	60	±20	0.410	1.5	1.8		1.3	2.3	80	Yes
SI2306K	SOT-23	N	0.96	60	±30	0.550	1.2	1.3		1	2.5	34	Yes
SI0103KW	SOT-323	N	0.33	60	±10	1.000		0.174	0.22	0.8	1	164	Yes
SI03N06	SOT-23	N	1.2	60	±20	3.000	0.08	0.095		0.9	2	400	No
SI2310	SOT-23	N	1.2	60	±20	3.000	0.105	0.125		0.5	2	247	No
SI2310A	SOT-23	N	1.2	60	±20	3.000	0.105	0.125		0.5	1.5	247	No
SI2310B	SOT-23	N	1.2	60	±16	3.000	0.105	0.125		0.5	1.3	247	No
MCA03N06	SOT-89	N	1.7	60	±20	3.000	0.1	0.12		0.65	1.55	340	No

Small Signal MOSFETs

N-Channel/P-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCM05N06	DFN2020-6J	N	12.5	60	±20	5.000	0.042	0.053		1	2.5	850	No
SL05N06	SOT-23-3L	N	2.5	60	±20	5.000	0.044	0.049		1	2.5	1018	No
SIL05N06A	SOT-23-6L	N	1.25	60	±20	5.000	0.043	0.047		1	2.5	1018	No
BSS123	SOT-23	N	0.35	100	±20	0.170	6	10		1	2.8	60	No
BSS123W	SOT-323	N	0.2	100	±20	0.170	6	10		1	2.8	60	No
BSS123K	SOT-23	N	0.78	100	±20	0.280	6	9		1.5	2.5	32	Yes
SI2324A	SOT-23	N	1.2	100	±20	2.000	0.28	0.3		1	2	390	No
SIL2324A	SOT-23-6L	N+N	1.5	100	±20	2.000	0.28	0.3		1	2	520	No
SI2392	SOT-23	N	0.9	100	±20	3.000	0.14	0.3		1	2.5	135	No
SIL03N10A	SOT-23-6L	N	1.5	100	±20	3.000	0.12	0.14		1.1	3	1070	No
SIL02N15A	SOT-23-6L	N	1.8	150	±20	2.000	0.29			1	2.5	666	No
SI2305	SOT-23	P	1.4	-8	±8	-4.100		0.045	0.06	-0.55	-0.9	740	No
SI2333	SOT-23	P	1.1	-12	±8	-6.000		0.028	0.04	-0.4	-1	1275	No
SI2333A	SOT-23	P	1.1	-15	±8	-5.600		0.04	0.053	-0.4	-1	740	No
MCM1216A	DFN2020-6JA	P	18	-20	±10	-16.000		0.017	0.021	-0.4	-1	2050	No
SI3139KL3B	DFN1006-3	P	0.328	-20	±12	-6.500		0.85	1.2	-0.35	-1.2	36	Yes
SI3415B5	SOT-23	P	1.3	-20	±10	-5.600		0.042	0.055	-0.5	-0.9	1180	Yes
SIL2305B	SOT-23-6L	P	2	-20	±10	-5.400		0.06	0.08	-0.5	-0.9	740	No
SI2305B	SOT-23	P	1.4	-20	±10	-4.200		0.039	0.049	-0.5	-0.9	821	No
SI3415	SOT-23	P	0.35	-20	±8	-4.000		0.05	0.06	-0.3	-1	1450	Yes
SI3415A	SOT-23	P	1.4	-20	±10	-4.000		0.045	0.06	-0.35	-0.9	950	Yes
SIL3415	SOT-23-6L	P	0.35	-20	±8	-4.000		0.05	0.06	-0.3	-1	1450	Yes
SI3415C	SOT-23	P	1	-20	±10	-3.900		0.04	0.075	-0.55	-1.25	540	Yes
MCM2301	DFN2020-6L	P+P	1.4	-20	±10	-3.800		0.055	0.075	-0.5	-0.9	492	No
SI2321	SOT-23	P	0.35	-20	±12	-2.900		0.057	0.076	-0.4	-0.9	715	No
SI2301	SOT-23	P	1.25	-20	±8	-2.800		0.12	0.15	-0.45	-1	880	No
SI2301A	SOT-23	P	1	-20	±8	-2.800		0.12	0.15	-0.5	-0.9	482	No
SIL2301	SOT-23-6L	P+P	1.25	-20	±8	-2.300		0.09	0.125	-0.4	-1	405	No
SI2101A	SOT-323	P	0.45	-20	±10	-2.000		0.13	0.17	-0.4	-1	290	No
SI2129DW	SOT-363	P+P	0.243	-20	±10	-1.000		0.14	0.165	-0.4	-1	327	No
SI3139KA	SOT-723	P	0.15	-20	±12	-0.660		0.85	1.2	-0.35	-1.1	40	Yes
SI3139KL3A	DFN1006-3	P	0.9	-20	±12	-0.650		0.85	1.2	-0.35	-1.2	40	Yes
SI3139KWA	SOT-323	P	0.15	-20	±12	-0.600		0.85	1.2	-0.35	-1.1	40	Yes
SI3139KDW	SOT-363	P+P	0.15	-20	±12	-0.600		0.85	1.2	-0.35	-1.1	40	Yes
SI3139KEA	SOT-523	P	0.15	-20	±12	-0.600		0.85	1.2	-0.35	-1.1	40	Yes
SIX3139KA	SOT-563	P+P	0.15	-20	±12	-0.600		0.85	1.2	-0.35	-1.1	40	Yes
SI3139KL3C	DFN1006-3	P	0.9	-20	±12	-0.500		0.85	1.2	-0.35	-1.2	36	Yes
SI3139KS	SOT-23	P	0.35	-20	±12	0.600		0.85	1.2	-0.35	-1.1	40	Yes
SL3007	SOT-23-3L	P	1.9	-30	±20	-7.000	0.025	0.036		-1	-2.5	1500	No
SL3401A	SOT-23-3L	P	1.5	-30	±12	-4.400	0.06	0.07	0.085	-0.7	-1.3	1050	No
SL3407	SOT-23-3L	P	1.5	-30	±20	-4.300	0.049	0.065		-1	-3	700	No
SI3401	SOT-23	P	1.3	-30	±12	-4.200	0.065	0.075	0.09	-0.7	-1.3	954	No
SI3401A	SOT-23	P	1.3	-30	±12	-4.200	0.06	0.07	0.085	-0.7	-1.3	1050	No
SI3407	SOT-23	P	1.3	-30	±20	-4.100	0.049	0.065		-1	-3	700	No

Small Signal MOSFETs

Power MOSFETs

P-Channel/N+P-Channel MOSFETs

N-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
SIL3407	SOT23-6L	P	1.6	-30	±20	-4.100	0.05	0.07		-1	-3	581	No
SI2303	SOT-23	P	1.3	-30	±20	-3.000	0.13	0.18		-1	-3	226	No
SIL2623A	SOT23-6L	P+P	1.25	-30	±20	-3.000	0.09	0.115		-1	-2.5	365	No
SI2307	SOT-23	P	1.1	-30	±20	-2.700	0.088	0.138		-1	-3	340	No
SI2319	SOT-23	P	1.25	-40	±20	-3.500	0.085	0.105		-1	-2.5	548	No
BSS84DW	SOT-363	P+P	0.45	-50	±20	-0.160	8			-0.9	-2	30	No
BSS84	SOT-23	P	0.225	-50	±20	-0.130	8			-0.9	-2	30	No
BSS84KW	SOT-323	P	0.225	-50	±20	-0.130	8			-0.9	-2	22	Yes
SIL04P06Y	SOT23-6L	P	1.56	-60	±20	-3.500	0.085	0.12		-1	-2.5	513	No
SL02P06Y	SOT-23-3L	P	1.3	-60	±20	-2.500	0.12	0.15		-1	-2.5	302	No
SI5618	SOT-23	P	0.83	-60	±20	-1.900	0.15	0.2		-1	-3	580	No
SI5618A	SOT-23	P	1.2	-60	±20	-1.600	0.16	0.24		-1	-2.5	429	No
BSS84KDW	SOT-363	P+P	0.42	-60	±20	-0.320	6	7		-1	-2	32	Yes
BSS84KT	SOT-523	P	0.27	-60	±20	-0.260	6	7		-1	-2	32	Yes
BSS84A	SOT-23	P	0.225	-60	±30	-0.170	8			-0.9	-2	30	No
BSS84K	SOT-23	P	0.225	-60	±20	-0.130	6	7		-0.8	-2.5	30	Yes
SL03P10	SOT-23-3L	P	0.83	-100	±20	-3.000	0.286	0.335		-1.1	-2	1010	No
SI01P10	SOT-23	P	0.77	-100	±20	-1.000	0.8	1		-1.5	-3	388	No
SI3439KDW	SOT-363	N+P	0.15	20/-20	±12	0.75/-0.6		0.3/0.85	0.4/1.2	0.35	1.1/-1.1	33/40	Yes
SIX3439KA	SOT-563	N+P	1.5	20/-20	±12	0.75/-0.6		0.3/0.85	0.4/1.2	0.5/-0.5	1.1/-1.1	33/40	Yes
SIX3439KA-TPQ2	SOT-563	N+P	1.5	20/-20	±12	0.75/-0.6		0.3/0.85	0.4/1.2	0.5/-0.5	1.1/-1.1	33/40	Yes
SIL3439KA	SOT23-6L	N+P	1.25	20/-20	±12	1.2/-1.0		0.3/0.85	0.4/1.2	0.35/-0.35	1.1/-1.1	33/40	Yes
SI2429DW	SOT-363	N+P	0.45	20/-20	±10	1.5/-1.0		0.09/0.150	0.105/0.180	0.55/-0.4	1.1/-1.0	202/223	No
SIL2308	SOT23-6L	N+P	1	20/-20	±8,±12	5/-4		0.025/0.064	0.032/0.080	0.5/-0.5	1.0/-1.0	800/405	No
MCMNP2065A	DFN2020-6L	N+P	1.6	20/-20	±10	6.0/-4.0		0.025/0.051	0.032/0.067	0.4/-0.4	1.0/-1.0	402/496	No
MCMNP2065	DFN2020-6L	N+P	1.6	20/-20	±10	6.0/-6.0		0.025/0.042	0.032/0.055	0.4/-0.4	1.0/-1.0	393/762	No
SIL3724A	SOT23-6L	N+P	2	30/-30	±20	4.5/-3.5	0.035/0.090	0.050/0.115		1.0/-1.0	2.5/-2.5	315/365	No
BSS8402DW	SOT-363	N+P	0.2	60/-50	±20	0.115/-0.13	2.0/8.0			1.0/-0.9	2.5/-2.0	50/30	No
MC7252KDW	SOT-363	N+P	0.15	60/-50	±20	0.34/-0.18	5.0/8.0	5.3		1.0/-0.9	2.5/-2.0	40/30	Yes
MC7252KDWA	SOT-363	N+P	0.15	60/-50	±20	0.34/-0.18	5.0/8.0	5.3		1.0/-0.9	2.5/-2.0	40/30	Yes

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)		
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)			
MCU30N02	DPAK	N	30	20	±10	30							No		
MCU60N02	DPAK	N	35	20	±10	60				0.006	0.0088	0.4	1	2450	No
MCQD08N03B	SOP-8	N+N	1.6	30	±12	8	0.025	0.03	0.04	0.6	1.5	580	No		
MCQD08N03A	SOP-8	N+N	2.35	30	±20	8.5	0.023	0.032		1	2.2	367	No		
MCQ4406A	SOP-8	N	2.5	30	±20	12	0.012	0.015		1	2.5	1035	No		
MCQD12N03A	SOP-8	N+N	1.5	30	±20	12	0.012	0.015		1	2.5	1035	No		
MCQ16N03	SOP-8	N	2.5	30	±20	16	0.012	0.016		1	3	1035	No		
MCQ18N03	SOP-8	N	2.1	30	±20	18	0.007	0.01		1	2.5	1765	No		
MCG30N03A	DFN3333	N	20	30	±20	30	0.01	0.013		1	2.5	1052	No		
MCAC40N03A	DFN5060	N	35	30	±20	40	0.0075	0.0115		1	2.5	1050	No		
MCG50N03	DFN3333	N	30	30	±20	50	0.006	0.008		1	2.5	2150	No		
MCAC50N03	DFN5060	N	50	30	±20	50	0.0047	0.006		1	2.5	2041	No		
MCU50N03A	DPAK	N	50	30	±20	50	0.0073	0.0115		1	2.2	1007	No		
MCG65N03	DFN3333	N	45	30	±20	65	0.0032	0.004		1	2.5	4804	No		
MCAC68N03Y	DFN5060	N	41	30	±20	68	0.0072	0.0124		1	2	723	No		
MCU80N03	DPAK	N	71	30	±20	80	0.004	0.006		0.8	2.5	2090	No		
MCU80N03A	DPAK	N	45	30	±20	80	0.0055	0.008		1	2.5	1757	No		
MCAC100N03Y	DFN5060	N	104	30	±20	100	0.003	0.0046		1.5	2.5	2530	No		
MCAC10H03A	DFN5060	N	96	30	±20	100	0.003	0.004		1	2.5	3620	No		
MCAC150N03A	DFN5060	N	75	30	±20	150	0.002	0.003		1	2.5	4758	No		
MCACL280N03Y	DFN5060	N	150	30	±20	280	0.0007	0.0012		1	2.5	5877	No		
MCQD07N04	SOP-8	N+N	2.1	40	±20	7	0.032	0.05		1	2.5	390	No		
MCG20N04	DFN3333	N	24	40	±20	20	0.014	0.0185		1	2.5	990	No		
MCGD25N04	DFN3333-D	N+N	3	40	±20	25	0.018	0.024		1	2.5	750	No		
MCG35N04A	DFN3333	N	40	40	±20	35	0.008	0.013		1	2.5	2000	No		
MCG50N04	DFN3333	N	52	40	±20	50	0.004	0.0052		1	2.5	4300	No		
MCU60N04A	DPAK	N	70	40	±20	60	0.007	0.0096		0.9	2	1990	No		
MCAC80N04Y	DFN5060	N	104.2	40	±20	80	0.0026			2	4	3460	No		
MCAC100N04	DFN5060	N	75	40	±20	100	0.0035			1	2.5	4165	No		
MCU120N04	DPAK	N	110	40	±20	120	0.0035	0.0048		1	2.5	4645	No		
MCAC130N04	DFN5060	N	115	40	±20	130	0.00175	0.0025		1	2.5	6853	No		
MCB160N04Y	D2-PAK	N	156	40	±20	160	0.00185	0.0028		1	2.5	7040	No		
MCACL200N04Y	DFN5060-C	N	120	40	±20	200	0.00135	0.0021		1	2.5	6870	No		
MCACL200N04YA	DFN5060-C	N	156	40	±20	200	0.0013	0.002		1	2.5	7400	No		
MCB220N04Y	D2-PAK	N	250	40	±20	220	0.0015			2	4	7864	No		
MCBS220N04Y	TO-263-7	N	188	40	±20	220	0.0011			2	4	7967	No		
MCTL270N04Y	TOLL-8L	N	468	40	±20	270	0.0013			2	4	8010	No		
MCACL330N04Y	DFN5060-C	N	250	40	±20	330	0.00085			2	4	8098	No		
MCT03N06	SOT-223	N	2.1	60	±20	3	0.1	0.12		0.5	2	443	No		
MCQD04N06	SOP-8	N+N	1.7	60	±20	4	0.075	0.09		0.9	2	400	No		
MCT04N06	SOT-223	N	2	60	±20	4	0.088	0.096		0.9	2	501	No		
MCQ4828A	SOP-8	N+N	1.6	60	±20	4.5	0.056	0.077		1	3	824	No		
MCQD05N06	SOP-8	N+N	1.6	60	±20	5	0.035	0.045		1	2.5	1152	No		
MCT05N06	SOT-223	N	2.1	60	±20	5	0.035	0.045		1	2.5	1173	No		

Power MOSFETs

N-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCQD08N06	SOP-8	N+N	1.6	60	±20	8	0.022	0.028		1	3	2000	No
MCQ4438	SOP-8	N	2.1	60	±20	8.2	0.022	0.027		1	3	2306	No
MCQD09N06Y	SOP-8	N+N	1.7	60	±20	9	0.02	0.024		1	2.5	873	No
MCQ10N06Y	SOP-8	N	1.9	60	±20	10	0.019	0.022		1	2.5	873	No
MCQ12N06	SOP-8	N	2.5	60	±20	12	0.009	0.013		1.1	2.5	1815	No
MCU20N06A	DPAK	N	40	60	±20	20	0.03	0.033		1	2.5	1117	No
MCU20N06B	DPAK	N	40	60	±20	20	0.045	0.047		1	3	1117	No
MCU20N06C	DPAK	N	125	60	±20	20	0.037	0.048		1	2.5	821	No
MCAC30N06Y	DFN5060	N	45	60	±20	30	0.02	0.022		1	2.5	2371	No
MCU50N06A	DPAK	N	59.5	60	±20	50	0.015	0.018		1	2.5	2515	No
MCG53N06A	DFN3333	N	45	60	±20	53	0.0082	0.012		1	2.5	1850	No
MCAC53N06Y	DFN5060	N	69	60	±20	53	0.0075	0.0095		1.1	2.5	2062	No
MCG60N06Y	DFN3333	N	60	60	±20	60	0.006	0.0083		1	2.5	1666	No
MCU60N06	DPAK	N	83	60	±20	60	0.011			2	4	2220	No
MCAC60N06Y	PDFN5060-8D	N+N	50	60	±20	60	0.0065	0.009		1	2.5	1740	No
MCAC65N06Y	DFN5060	N	100	60	±20	65	0.0057	0.0078		1	2.5	1740	No
MCP65N06	TO-220AB(H)	N	104	60	±20	65	0.011			2	4	2220	No
MCAC75N06Y	DFN5060	N	75	60	±20	75	0.0056			2	4	1534	No
MCU75N06Y	DPAK	N	100	60	±20	75	0.0048	0.0075		1	2.5	1698	No
MCB80N06Y	D2-PAK	N	125	60	±20	80	0.0045	0.0065		1	2.5	1677	No
MCAC80N06Y	DFN5060	N	85	60	±20	80	0.0042	0.0052		1.2	2.5	3783	No
MCU80N06A	DPAK	N	68	60	±20	80	0.0075	0.0095		1.2	2	1990	No
MCAC85N06KY	DFN5060	N	113	60	±20	85	0.0037	0.005		1	2.5	4135	Yes
MCU90N06A	DPAK	N	110	60	±20	90	0.0072	0.0085		1	2.5	5377	No
MCP90N06Y	TO-220AB(H)	N	83	60	±20	90	0.0075	0.01		1	2.5	1949	No
MCAC95N06Y	DFN5060	N	120	60	±20	95	0.0025	0.0034		1.2	2.2	5300	No
MCAC95N06YB	DFN5060	N	120	60	±20	95	0.0029			2	4	4152	No
MCU95N06KY	DPAK	N	156	60	±20	95	0.0055	0.007		1	2.5	4050	Yes
MCU110N06YA	DPAK	N	89	60	±20	110	0.0044	0.005		1.2	2.5	5233	No
MCU110N06YB	DPAK	N	83	60	±20	110	0.005			2	4	4086	No
MCB145N06Y	D2-PAK	N	91	60	±20	145	0.0075	0.0095		1.2	2.5	1913	No
MCB150N06KY	D2-PAK	N	147	60	±20	150	0.0035	0.0048		1	2.5	4258	Yes
MCACL175N06Y	DFN5060-C	N	138	60	±20	175	0.00225	0.003		1	2.5	5084	No
MCB200N06Y	D2-PAK	N	260	60	±20	200	0.0026	0.0036		1.2	2.2	5200	No
MCB200N06YA	D2-PAK	N	260	60	±20	200	0.0032			2.2	3.8	4110	No
MCP200N06Y	TO-220AB(H)	N	260	60	±20	200	0.0032			2	4	4165	No
MCACL220N06Y	DFN5060-C	N	147	60	±20	220	0.0016	0.0024		1	2.5	7500	No
MCTL295N06Y	TOLL-8L	N	313	60	±20	295	0.002			1.5	4	8350	No
MCAC95N065Y	DFN5060	N	120	65	±20	95	0.0025	0.0034		1.2	2.2	5185	No
MCAC100N08Y	DFN5060	N	152	80	±20	100	0.0045			2	4	5492	No
MCAC100N08YA	DFN5060	N	152	80	±20	100	0.0045	0.0065		1	2.5	6268	No
MCACL110N08Y	DFN5060-C	N	125	80	±20	110	0.0039			2	4	5947	No
MCU110N08Y	DPAK	N	83	80	±20	110	0.006	0.007		1.4	2.5	5200	No
MCB120N08Y	D2-PAK	N	208	80	±20	120	0.0045			2	4	5112	No

Power MOSFETs

N-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCP120N08Y	TO-220AB(H)	N	178	80	±20	120	0.0048			2	4	5223	No
MCACL170N08Y	DFN5060	N	208	80	±20	170	0.0025			2	4	6452	No
MCB118N085Y	D2-PAK	N	156	85	±20	118	0.006			2	4	4140	No
MCP118N085Y	TO-220AB(H)	N	208	85	±20	118	0.0065			2	4	4150	No
MCT04N10B	SOT-223	N	1.5	100	±20	4	0.105	0.12		1.1	3	1145	No
MCQ12N10Y	SOP-8	N	3.1	100	±20	12	0.017			2	4	1135	No
MCG15N10	DFN3333	N	30.5	100	±20	15	0.099			2	4	1273	No
MCU15N10A	DPAK	N	50	100	±20	15	0.11	0.12		1.1	3	1122	No
MCU15N10B	DPAK	N	41	100	±20	15	0.09	0.11		1.2	2.5	1150	No
MCQ15N10YA	SOP-8	N	2.1	100	±20	15	0.0095	0.0125		1	3	2350	No
MCACD20N10Y	DFN5060-8D	N+N	31	100	±20	20	0.022	0.027		1	2.5	1202	No
MCU20N10	DPAK	N	78	100	±20	20	0.048	0.053		1	3	2097	No
MCU20N10A	DPAK	N	47	100	±20	20	0.045	0.06		1.2	2.5	2258	No
MCAC38N10Y	DFN5060	N	59	100	±20	38	0.0175	0.0215		1	2.5	1166	No
MCAC38N10YA	DFN5060	N	60	100	±20	38	0.02			2	4	1200	Yes
MCG40N10Y	DFN3333	N	43	100	±20	40	0.0185	0.0225		1	2.5	1051	No
MCG45N10Y	DFN3333	N	48	100	±20	45	0.012			2	4	1683	No
MCU45N10	DPAK	N	72	100	±20	45	0.017	0.0215		1	3	1165	No
MCAC50N10Y	DFN5060	N	75	100	±20	50	0.006	0.01		1	3	2808	No
MCB55N10YA	D2-PAK	N	69	100	±20	55	0.02			2	4	1199	No
MCAC55N10Y	DFN5060	N	89	100	±20	55	0.014	0.022		1	3	1800	No
MCAC60N10Y	DFN5060	N	88	100	±20	60	0.0086			2.2	3.4	2346	No
MCAC60N10YA	DFN5060	N	88	100	±20	60	0.0086	0.013		1.3	2.5	2330	No
MCU65N10Y	DPAK	N	96	100	±20	65	0.0086	0.0115		1.3	2.5	2270	No
MCU65N10YA	DPAK	N	96	100	±20	65	0.0095			2	4	2330	No
MCB70N10YA	D2-PAK	N	125	100	±20	70	0.0086	0.011		1.2	3	2298	No
MCB70N10YB	D2-PAK	N	125	100	±20	70	0.0086			2	4	2365	No
MCP75N10Y	TO-220AB(H)	N	156	100	±20	75	0.0086			2	4	2429	No
MCAC80N10Y	DFN5060	N	85	100	±20	80	0.0043	0.0063		1	3	6124	No
MCAC90N10Y	DFN5060	N	120	100	±20	90	0.0048			2	4	4458	No
MCACL120N10Y	DFN5060-C	N	108	100	±20	120	0.0042			2	4	4551	No
MCACL120N10YA	DFN5060-C	N	116	100	±20	120	0.004	0.005		1	2.5	4400	No
MCB130N10Y	D2-PAK	N	192	100	±20	130	0.0046			1.2	4	6124.6	No
MCB130N10YA	D2-PAK	N	260	100	±20	130	0.0046			2	4	4600	No
MCB130N10YB	D2-PAK	N	178	100	±20	130	0.005	0.006		1	2.5	4450	No
MCP130N10YA	TO-220AB(H)	N	310	100	±20	130	0.0055			2	4	4500	No
MCP130N10YB	TO-220AB(H)	N	250	100	±20	130	0.0055	0.0065		1	2.5	4350	No
MCB180N10Y	D2-PAK	N	357	100	±20	180	0.0033			2	4	9200	No
MCW200N10YA	TO-247	N	375	100	±20	200	0.0027			2	4	10051	No
MCW220N10Y	TO-247	N	375	100	±20	220	0.0024			2	4	10051	No
MCBS260N10Y	TO-263-7	N	375	100	±20	260	0.0018			2	4	10589	No
MCTL300N10Y	TOLL-8L	N	500	100	±20	300	0.00145			2	4	13258	No
MCTL300N10YB	TOLL-8L	N	500	100	±20	300	0.00155			2.1	3.9	10051	No
MCAC88N12A	DFN5060	N	120	120	±20	88	0.0064	0.0076		1	3	4643	No

Power MOSFETs

N-Channel/P-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCB90N12A	D2-PAK	N	139	120	±20	90	0.009	0.011		1	3	4604	No
MCP90N12A	TO-220	N	150	120	±20	90	0.009	0.011		1	3	4513	No
MCPF90N12A	TO-220F	N	78	120	±20	90	0.009	0.011		1	3	4600	No
MCT04N15	SOT-223	N	1.25	150	±20	4	0.16			1.5	2.5	900	No
MCQ05N15	SOP-8	N	2	150	±25	5	0.063			2	4	1102	No
MCAC15N15Y	DFN5060	N	50	150	±20	15	0.07			2	4	740	No
MCU20N15A	DPAK	N	50	150	±20	20	0.059			2	4	1158	No
MCAC57N15Y	DFN5060	N	104	150	±20	57	0.017			2	4	2527	No
MCAC60N15YA	DFN5060	N	125	150	±25	60	0.019			2	4	2981	No
MCP70N15Y	TO-220AB(H)	N	150	150	±20	70	0.02			2	4	2508	No
MCP70N15YA	TO-220AB(H)	N	136	150	±20	70	0.021			3	5	2511	No
MCAC80N15Y	DFN5060	N	178	150	±25	80	0.011			2	4	5244	No
MCAC80N15YA	DFN5060	N	178	150	±20	80	0.013			2	4	3180	No
MCTL160N15Y	TOLL-8L	N	357	150	±25	160	0.0065			2	4	9440	No
MCB220N15Y	D2-PAK	N	312.5	150	±20	220	0.0065			2	4	9177	No
MCG05N20	DFN3333	N	54	200	±20	5	0.32			1	2	455	No
MCU05N20A	DPAK	N	90	200	±20	5	0.6			2	4	222	No
MCU09N20	DPAK	N	83	200	±30	9	0.25			1	3	509	No
MCU09N20A	DPAK	N	104.2	200	±20	9	0.3			1	2	488	No
MCU18N20A	DPAK	N	83.3	200	±20	18	0.15			2	4	894	No
MCP18N20A	TO-220AB(H)	N	179	200	±20	18	0.15			2	4	877	No
MCPF18N20A	TO-220F	N	36	200	±20	18	0.15			2	4	877	No
MCTL80N20Y	TOLL-8L	N	250	200	±20	80	0.013			2	4	10387	No
MCB70N15Y	D2-PAK	N	180	250	±20	70	0.017			2	4	2517	No
MCU01N60A	DPAK	N	37.8	600	±30	1.3	9			3	4.2	125	No
MCU05N60A	DPAK	N	96	600	±30	4.5	2.5			2	4	555	No
MCAC115P02	DFN5060	P	83.3	-20	±10	-115	0.0032	0.004		-0.3	-0.9	5830	No
MCG55P02A	DFN3333	P	39	-20	±10	-55		0.0083	0.01	-0.4	-1	4231	No
MCG35P02	DFN3333	P	69	-20	±10	-35		0.014	0.018	-0.4	-1	2100	No
MCGD30P02	DFN3333-D	P+P	21	-20	±10	-30		0.019	0.022	-0.4	-1	2157	No
MCT15P02	SOT-223	P	2.1	-20	±10	-15		0.025	0.03	-0.5	-0.9	1547	No
MCQ14P02	SOP-8	P	1.4	-20	±10	-14		0.0085	0.0105	-0.4	-1	4224	No
MCS2305B	TSSOP-8	P	1.05	-20	±8	-8.2		0.0085	0.011	-0.55	-0.9	1255	No
MCQD04P02	SOP-8	P+P	1.4	-20	±10	-4		0.057	0.074	-0.4	-1	493	No
MCAC55P03	DFN5060	P	104	-30	±20	-55	0.006	0.0085		-1	-2	3399	No
MCG50P03	DFN3333	P	78	-30	±25	-50	0.0062	0.011		-1.2	-2.8	6464	No
MCAC50P03B	DFN5060	P	83	-30	±25	-50	0.0055	0.0095		-1.2	-2.8	6426	No
MCAC45P03	DFN5060	P	50	-30	±20	-45	0.014	0.018		-1	-2	1719	No
MCU45P03A	DPAK	P	62.5	-30	±25	-45	0.008	0.013		-1.2	-2.8	5091	No
MCU45P03B	DPAK	P	78	-30	±20	-45	0.007	0.013		-0.9	-2.5	3574	No
MCG30P03	DFN3333	P	32	-30	±25	-30	0.015	0.025		-1.2	-2.8	2450	No
MCU30P03	DPAK	P	62.5	-30	±20	-30	0.013	0.017		-1	-2	1719	No
MCG25P03	DFN3333	P	62.5	-30	±20	-25	0.019	0.025		-1	-2	1385	No
MCG20P03	DFN3333	P	21	-30	±20	-20	0.02	0.027		-1	-2.5	1618	No

Power MOSFETs

P-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCU20P03	DPAK	P	35.7	-30	±20	-20	0.017	0.025		-1	-2	1385	No
MCQ4407B	SOP-8	P	3.2	-30	±25	-12	0.0125	0.025		-1.2	-2.8	2050	No
MCQ4407C	SOP-8	P	2.0	-30	±20	-12	0.013	0.018		-1	-2	1735	No
MCQ4435A	SOP-8	P	2.3	-30	±20	-10	0.024	0.035		-1	-2.5	1630	No
MCQ4435	SOP-8	P	1.4	-30	±20	-9.1	0.024	0.035		-1	-3	1350	No
MCQ4435B	SOP-8	P	1.9	-30	±20	-8	0.0175	0.025		-1	-2	1385	No
MCQ7328	SOP-8	P+P	1.4	-30	±20	-8	0.021	0.032		-1	-2.5	2675	No
MCT06P03	SOT-223	P	2.1	-30	±20	-6	0.055	0.08		-1	-2.5	502	No
MCQ9435	SOP-8	P	1.4	-30	±20	-5.1	0.05	0.065		-1	-2	604	No
MCQ4953	SOP-8	P+P	2.5	-30	±20	-5	0.06	0.09		-1	-2.5		No
MCU65P04	DPAK	P	96	-40	±20	-65	0.014			-1	-2.5	3354	No
MCU60P04A	DPAK	P	69	-40	±20	-60	0.01	0.012		-1	-2.5	4766	No
MCU50P04A	DPAK	P	83	-40	±20	-50	0.015	0.02		-1	-2.5	3302	No
MCU45P04A	DPAK	P	73	-40	±20	-45	0.02	0.023		-1	-2.5	2539	No
MCU45P04B	DPAK	P	56	-40	±20	-45	0.014	0.021		-1	-2.3	3433	No
MCG35P04A	DFN3333	P	59	-40	±20	-35	0.02	0.025		-1	-2.5	2511	No
MCQ12P04A	SOP-8	P	2	-40	±20	-12	0.021	0.026		-1	-2.5	2500	No
MCQD09P04	SOP-8	P+P	1.7	-40	±20	-9	0.023	0.028		-1	-2.5	3302	No
MCQD08P04	SOP-8	P+P	1.6	-40	±20	-8	0.05	0.06		-1	-2.5	1043	No
MCB110P06Y	D2-PAK	P	125	-60	±18	-110	0.0084	0.01		-2	-3.5	5810	No
MCAC80P06Y	DFN5060	P	120	-60	±18	-80	0.008			-2	-4	5300	No
MCU80P06Y	DPAK	P	125	-60	±18	-80	0.0084			-2	-4	5332	No
MCP80P06Y	TO-220AB(H)	P	89	-60	±20	-80	0.0084			-2	-3.5	5322	No
MCPF80P06Y	TO-220F	P	83	-60	±18	-80	0.01			-2	-4	5810	No
MCAC60P06	DFN5060	P	130	-60	±20	-60	0.018			-2	-3.5	6683	No
MCU60P06	DPAK	P	130	-60	±20	-60	0.018			-2	-3.5	5814	No
MCP60P06	TO-220AB(H)	P	130	-60	±20	-60	0.018			-2	-3.5	6504	No
MCU50P06Y	DPAK	P	89	-60	±18	-50	0.012	0.015		-1	-3	4600	No
MCU40P06	DPAK	P	104	-60	±20	-40	0.025	0.034		-1	-3	1533	No
MCU40P06Y	DPAK	P	83	-60	±20	-40	0.029			-1	-2.5	1491	No
MCU30P06Y	DPAK	P	73	-60	±20	-30	0.055	0.065		-1.5	-2.7	1057	No
MCAC28P06Y	DFN5060	P	60	-60	±20	-28	0.04	0.055		-1.5	-2.7	1065	No
MCG25P06Y	DFN3333	P	73.5	-60	±20	-25	0.05	0.065		-1.5	-2.7	1024	No
MCG20P06	DFN3333	P	25	-60	±20	-20	0.025	0.034		-1	-3	1533	No
MCG20P06Y	DFN3333-8	P	39	-60	±20	-20	0.028	0.039		-1	-2.5	1483	No
MCU12P06Y	DPAK	P	30	-60	±20	-12	0.085	0.12		-1	-2.5	505	No
MCQD08P06Y	SOP-8	P+P	1.9	-60	±20	-8	0.085	0.12		-1	-2.5	505	No
MCQD08P06YA	SOP-8	P+P	1.6	-60	±20	-8	0.075	0.11		-1	-2.5	500	No
MCQ07P06Y	SOP-8	P	2.2	-60	±20	-7	0.047	0.06		-1.3	-2.5	1052	No
MCT04P06Y	SOT-223	P	2	-60	±20	-4	0.085	0.12		-1	-2.5	505	No
MCT04P06	SOT-223	P	2	-60	±20	-3.5	0.08	0.1		-1	-3	650	No
MCB40P10Y	D2-PAK	P	125	-100	±20	-40	0.056	0.062		-1	-2.5	2087	No
MCU28P10Y	DPAK	P	96	-100	±20	-28	0.058	0.065		-1	-2.5	2077	No
MCAC25P10Y	DFN5060	P	88	-100	±20	-25	0.056	0.062		-1	-2.5	2077	No

Power MOSFETs

P-Channel/N+P-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCU20P10	DPAK	P	70	-100	±20	-20	0.116			-1	-3	2100	Yes
MCU18P10Y	DPAK	P	70	-100	±20	-18	0.11	0.13		-1	-2.5	1050	No
MCU12P10	DPAK	P	40	-100	±20	-12	0.2			-1	-3	1055	Yes
MCT08P10Y	SOT-223	P	2.2	-100	±20	-8	0.11	0.13		-1	-2.5	1080	No
MCT06P10	SOT-223	P	1.25	-100	±20	-6	0.205	0.25		-1.2	-2.8	760	Yes
MCQ05P10Y	SOP-8	P	1.6	-100	±20	-4.5	0.11	0.12		-1	-2.5	1062	No
MCU10P15	DPAK	P	69	-150	±20	-10	0.31			-1	-3.5	926	No
MCQ02P15	SOP-8	P	2.5	-150	±20	-2	0.31			-1	-3.5	926	No
MCACD12NP10Y	DFN5060-8D	N+P	41.6	100/-100	±20/±25	25/-12	0.026/0.120	0.030/0.130		1.2/-1.2	2.5/-2.5	1200/1100	No
MCACD40NP03	PDFN5060-8D	N+P	50/54	30/-30	±20	40/-40	0.009/0.012	0.014/0.020		1.0/-1.2	2.5/-2.7	1050/1860	No
MCQ4503B	SOP-8	N+P	2	30/-30	±12	5.6/-4.4	0.025/0.055	0.031/0.066		0.65/-0.6	1.5/-1.4	573/831	No
MCQ07NP03A	SOP-8	N+P	1.6	30/-30	±20	7.0/-7.0	0.018/0.023	0.030/0.034		1.0/-1.0	2.2/-2.5	357/1623	No
MCQ11NP04	SOP-8	N+P	2.1/2.3	40/-40	±20	11/-11	0.032/0.033	0.050/0.050		1.0/-1.0	2.5/-2.5	390/1080	No
MCQ4559A	SOP-8	N+P	2	60/-60	±20	4.5/-3.5	0.045/0.080	0.050/0.115		1.0/-1.0	2.5/-2.5	822/2992	No

Power MOSFETs

Super Junction MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MSJAC11N50B	DFN5060	N	83	500	±30	11	0.38	-	-	2.5	3.5	702	No
MSJL20N60A	DFN8080A	N	196	600	±30	20	0.219	-	-	2	4	1336	No
MSJW47N60A	TO-247	N	278	600	±30	47	0.091	-	-	2	4	4476	No
MCT01N65	SOT-223	N	2	650	±30	1	11	-	-	2	4	34	No
MCT01N65K	SOT-223	N	2	650	±30	1	11	-	-	2	4	34	Yes
SL01N65	SOT-23-3L	N	1.6	650	±30	1	11	-	-	2	4	34	No
MSJUF05N65	DPAK	N	57	650	±30	5	1.9	-	-	2	4	165	No
MSJU07N65A	DPAK	N	63	650	±30	7	0.6	-	-	2	4	545	No
MSJP09N65A	TO-220AB(H)	N	113	650	±30	9	0.96	-	-	2	4	383	No
MSJAC11N65B	DFN5060	N	89	650	±30	11	0.38	-	-	2	4	791	No
MSJU11N65A	DPAK	N	83.3	650	±30	11	0.38	-	-	2	4	763	No
MSJP11N65A	TO-220	N	83.3	650	±30	11	0.38	-	-	2	4	763	No
MSJPF11N65	TO-220F	N	31.3	650	±30	11	0.38	-	-	2.5	4	901	No
MSJPF11N65A	TO-220F	N	31.3	650	±30	11	0.38	-	-	2	4	763	No
MSJB14N65A	D2-PAK	N	139	650	±30	14	0.4	-	-	2	4	750	No
MSJP14N65A	TO-220AB(H)	N	147	650	±30	14	0.31	-	-	2	4	1038	No
MSJP20N65A	TO-220AB(H)	N	73.5	650	±30	20	0.19	-	-	2	4	1860	No
MSJPF20N65A	TO-220F	N	39	650	±30	20	0.19	-	-	2	4	1750	No
MSJW20N65A	TO-247	N	250	650	±30	20	0.18	-	-	2	5	1740	No
MSJU04N80A	DPAK	N	88	800	±20	4.5	1.3	-	-	2.5	4.5	386	Yes
MSJB06N80A	D2-PAK	N	35	800	±30	6	1.2	-	-	2.5	4.5	349	Yes
MSJU06N80A	DPAK	N	56.8	800	±20	6	0.95	-	-	2.5	4.5	502	Yes
MSJP06N80A	TO-220AB(H)	N	96	800	±30	6	1.2	-	-	2.5	4.5	386	Yes
MSJPF06N80A	TO-220F	N	50	800	±30	6	1.2	-	-	2.5	4.5	386	Yes
MSJP07N80A	TO-220AB(H)	N	104	800	±20	7	0.95	-	-	2.5	4.5	502	Yes
MSJPF07N80A	TO-220F	N	78	800	±20	7	0.95	-	-	2.5	4.5	502	Yes
MSJB11N80A	D2-PAK	N	156	800	±20	11	0.47	-	-	2.5	4.5	958	Yes
MSJP11N80A	TO-220AB(H)	N	250	800	±20	11	0.47	-	-	2.5	4.5	918	Yes
MSJPF11N80A	TO-220F	N	25	800	±20	11	0.47	-	-	2.5	4.5	958	Yes
MSJB17N80	D2-PAK	N	181	800	±30	17	0.29	-	-	2	4	1830	No
MSJU05N90A	DPAK	N	83	900	±30	5	1.49	-	-	2	3.5	476	No
MSJP08N90A	TO-220AB(H)	N	114	900	±30	8	1.62	-	-	2	4	476	No
MSJPF08N90A	TO-220F	N	89	900	±30	8	1.3	-	-	2	4	469	No

ESD Protection & Power TVS

As electronic systems become smaller and more complex, protection from electrostatic discharge, transients, over-voltage, and EMI is more crucial than ever. MCC's selection of protection solutions safeguards sensitive automotive and industrial designs at the highest level while providing small footprints for design flexibility.

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Automotive Products

Automotive ESD Protection

Part Number	Package	Protected Lines	Configuration	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage Current	Test Current	Breakdown Voltage		Maximum Clamping Voltage	Maximum Peak Pulse Current	Junction Capacitance
				P_{PK} (W)	V_{RWM} (V)	I_R (uA)	I_T (mA)	V_{BR} (V) Min	V_{BR} (V) Max	V_C (V)	I_{PP} (A)	C_J (pF)
ESDL3V3LBHE3	DFN1006-2L	1	Bidirectional	60	3.3	0.10	1	4.5	6.5	9	8	25
ESDSB3V3LBHE3	DFN1006-2L	1	Bidirectional	90	3.3	1.00	1	3.5	6	10	9	25
ESDULC3V3LBHE3	DFN1006-2L	1	Bidirectional	80	3.3	0.10	1	4.8	7	20	4	0.65
ESD3V3T2BHE3	SOT-23	2	Bidirectional	400	3.3	0.50	1	5	7	16	25	100
ESDLC5V0LBHE3	DFN1006-2L	1	Bidirectional	80	5.0	0.10	1	6	8	10	8	15
ESDSB5V0LBHE3	DFN1006-2L	1	Bidirectional	70	5.0	1.00	1	5.7	8	10	7	20
ESDULC5V0LBHE3	DFN1006-2L	1	Bidirectional	100	5.0	0.10	1	6	9.5	25	4	0.6
ESD5V0D3HE3	SOD-323	1	Unidirectional	300	5.0	1.00	1	6.2	7.5	15	20	160
ESDH5V0D3HE3	SOD-323	1	Unidirectional	600	5.0	1.00	1	6.2	7.5	20	30	220
ESDSB5V0D3BHE3	SOD-323	1	Bidirectional	400	5.0	1.00	1	6		17	24	100
ESD5V0D5HE3	SOD-523	1	Unidirectional	300	5.0	1.00	1	6.2	7.5	15	20	160
ESDSBLSV0D5BHE3	SOD-523	1	Bidirectional	70	5.0	1.00	1	5.7	8	10	7	20
ESD5V0ET2HE3	SOT-23	2	Unidirectional	300	5.0	1.00	1	6.2	7.5	15	20	160
ESD5V0T2HE3	SOT-23	2	Unidirectional	300	5.0	1.00	1	6.2	7.5	15	20	160
ESDSB5V0T2BHE3	SOT-23	2	Bidirectional	400	5.0	1.00	1	6	7.5	17	24	100
ESD7V0LBHE3	DFN1006-2L	1	Bidirectional	90	7.0	0.50	1	7.5	10.5	15	6	23
ESD7V0T2BHE3	SOT-23	2	Bidirectional	255	7.0	0.50	1	7	10	15	17	63
ESDLC8V0LBHE3	DFN1006-2L	1	Bidirectional	140	8.0	0.20	1	9		18	8	10
ESDULC8V0LBHE3	DFN1006-2L	1	Bidirectional	90	8.0	0.20	1	9.5	11.5	26	3.5	0.5
ESD12VLBHE3	DFN1006-2L	1	Bidirectional	150	12.0	0.50	1	13.5	16.5	30	5	12
ESDLC12VLBHE3	DFN1006-2L	1	Bidirectional	100	12.0	0.20	1	13.3		20	5	10
ESD12VD3BHE3	SOD-323	1	Bidirectional	280	12.0	1.00	1	13.3		28	10	50
ESD12VD3HE3	SOD-323	1	Unidirectional	280	12.0	1.00	1	13.3	16.5	28	10	70
ESD12VD5HE3	SOD-523	1	Unidirectional	280	12.0	1.00	1	13.3	16.5	28	10	70
ESD12VET2HE3	SOT-23	2	Unidirectional	280	12.0	1.00	1	13.1	16.5	28	10	70
ESD12VT2BHE3	SOT-23	2	Bidirectional	300	12.0	0.10	1	13.5	16.7	30	10	35
ESD12VT2HE3	SOT-23	2	Unidirectional	280	12.0	1.00	1	13.1	16.5	28	10	70
ESD15VLBHE3	DFN1006-2L	1	Bidirectional	140	15.0	0.50	1	15.5	19.5	35	4	10
ESD1524D3B	SOD-323	1	Asymmetric	160	15.0	0.05	1	17.1		35	5	13
ESD1524D3BHE3A	SOD-323	1	Asymmetric	160	15.0	0.05	1	17.1	20.3	35	5	30
ESD15VD3BHE3	SOD-323	1	Bidirectional	250	15.0	1.00	1	16.7		28.5	5	45
ESD15VD3HE3	SOD-323	1	Unidirectional	250	15.0	1.00	1	16.5	19	35	8	55
ESD15VD5HE3	SOD-523	1	Unidirectional	250	15.0	1.00	1	16.5	19	35	8	55
ESD15VET2HE3	SOT-23	2	Unidirectional	280	15.0	1.00	1	16.1	19	35	8	55
ESD15VT2BHE3	SOT-23	2	Bidirectional	270	15.0	0.50	1	16	19	30	9	26
ESD15VT2HE3	SOT-23	2	Unidirectional	280	15.0	1.00	1	16.1	19	35	8	55
MMBZ20VAHE3	SOT-23	2	Unidirectional	40	17.0	0.05	1	19	21	28	1.4	
MMBZ20VCHE3	SOT-23	2	Unidirectional	40	17.0	0.05	1	19	21	28	1.4	
MMBZ27VAHE3	SOT-23	2	Unidirectional	40	22.0	0.05	1	25.65	28.35	40	1	
MMBZ27VCHE3	SOT-23	2	Unidirectional	40	22.0	0.05	1	25.65	28.35	40	1	
ESD24VLBHE3	DFN1006-2L	1	Bidirectional	150	24.0	0.50	1	25.5	29.5	45	3.5	8.5
ESD24VD3BHE3	SOD-323	1	Bidirectional	300	24.0	1.00	1	26.7		44	7	40
ESD24VD3HE3	SOD-323	1	Unidirectional	300	24.0	1.00	1	26.7		44	7	50
ESD24VD5HE3	SOD-523	1	Unidirectional	300	24.0	1.00	1	26.7		44	7	50

Automotive Products

ESD Protection

Automotive ESD Protection

1.8V~3.3V

Part Number	Package	Protected Lines	Configuration	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage Current	Test Current	Breakdown Voltage		Maximum Clamping Voltage	Maximum Peak Pulse Current	Junction Capacitance
				P _{PK} (W)	V _{RWM} (V)	I _R (uA)	I _T (mA)	V _{BR} (V) Min	V _{BR} (V) Max	V _C (V)	I _{PP} (A)	C _J (pF)
ESD24VET2HE3	SOT-23	2	Unidirectional	300	24.0	1.00	1	26.7		44	7	50
ESD24VT2BHE3	SOT-23	2	Bidirectional	308	24.0	0.10	1	26.2	32	44	7	30
ESD24VT2HE3	SOT-23	2	Unidirectional	300	24.0	1.00	1	26.7		44	7	50
HSM24BHE3	SOT-23	2	Bidirectional	384	24.0	0.10	1	26.3	30.3	48	8	32
SM24BHE3	SOT-23	2	Bidirectional	300	24.0	0.20	1	27		50	4	20
ESD27VLBHE3	DFN1006-2L	1	Bidirectional	180	27.0	0.50	1	31	38	75	2.5	6.5
ESD27VD3BHE3	SOD-323	1	Bidirectional	260	27.0	0.50	1	28.5		65	4	20
ESD27VT2BHE3	SOT-23	2	Bidirectional	420	27.0	0.50	1	31	38	70	6	13
ESD36VLBHE3	DFN1006-2L	1	Bidirectional	200	36.0	0.50	1	38	48	80	2.5	6
ESD36VD3BHE3	SOD-323	1	Bidirectional	350	36.0	1.00	1	40		75	5	35
ESD36VD3HE3	SOD-323	1	Unidirectional	350	36.0	1.00	1	40	44	75	5	35
ESD36VD5HE3	SOD-523	1	Unidirectional	350	36.0	1.00	1	40	44	75	5	35
ESD36VET2HE3	SOT-23	2	Unidirectional	350	36.0	1.00	1	40	44.5	75	5	35
ESD36VT2BHE3	SOT-23	2	Bidirectional	450	36.0	0.50	1	38	48	90	5	30
ESD36VT2HE3	SOT-23	2	Unidirectional	350	36.0	1.00	1	40	44.5	75	5	35

Part Number	Package	Protected Lines	Configuration	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage Current	Test Current	Breakdown Voltage		Maximum Clamping Voltage	Maximum Peak Pulse Current	Junction Capacitance
				P _{PK} (W)	V _{RWM} (V)	I _R (uA)	I _T (mA)	V _{BR} (V) Min	V _{BR} (V) Max	V _C (V)	I _{PP} (A)	C _J (pF)
ESD1V8AE2	0201-A	1	Bidirectional	100	1.8	0.2	1	2.5		8.5	12	30
ESD1V8LB	DFN1006-2	1	Bidirectional	100	1.8	0.2	1	2.5		8.5	12	30
ESDH1V8LB	DFN1006-2	1	Bidirectional	300	1.8	0.2	1	2.5		8	38	80
ESDSB2V5AE2	0201-A	1	Bidirectional	100	2.5	0.1	0.002			10	10	25
SLVU2.8-4	SOP-8	4	Unidirectional	600	2.8	1	1	3		21	30	2
ESDH3V3AE2	0201-A	1	Bidirectional	170	3.3	0.1	1	3.5		8.5	20	35
ESDLC3V3AE2	0201-A	1	Bidirectional	30	3.3	0.2	1	4.3		10	3	3
ESDSBLC3V3AE2	0201-A	1	Bidirectional	90	3.3	0.1	1	3.5		10	9	13
ESDSBLC3V3AE2	0201-A	1	Bidirectional	34	3.3	0.05	1	7		8.5	4	0.5
ESDSBULC3V3AE2	0201-A	1	Bidirectional	96	3.3	0.5	1	4		9.6	10	0.55
CSP3V3L	CSP1006-2	1	Unidirectional	600	3.3	0.5	1	3.6	5.5	10.5	65	150
CSPSLC3V3L	CSP1006-2	1	Unidirectional	150	3.3	0.2	1	4	6	15	11	0.6
CSPSLC3V3LB	CSP1006-2	1	Bidirectional	150	3.3	0.2	1	4	6	15	11	0.6
ESDLC3324DFN10	DFN-10	4	Unidirectional	65	3.3	1	1	5	8	13	5	0.65
ESD3V3L	DFN1006-2	1	Unidirectional	300	3.3	1	1	4.2	6	15	20	250
ESDSBULC3V3LB	DFN1006-2	1	Bidirectional	260	3.3	0.5	1	5		10	26	1.5
ESDL3V3LB	DFN1006-2	1	Bidirectional	80	3.3	0.05	0.002	3.5		8	8	25
ESDLC3V3L	DFN1006-2	1	Unidirectional	150	3.3	0.5	0.002	3.5		15	10	20
ESDLC3V3LB	DFN1006-2	1	Bidirectional	20	3.3	0.1	1	4.3	6.8	11	1	3.1
ESDSB3V3LB	DFN1006-2	1	Bidirectional	600	3.3	1	1	3.8		10	60	110
ESDSBLC3V3LB	DFN1006-2	1	Bidirectional	90	3.3	0.1	1	3.5		10	9	13
ESDSBPLC3V3LB	DFN1006-2	1	Bidirectional	53	3.3	0.05	1	7		7.5	7	1
ESDSBLC3V3LB	DFN1006-2	1	Bidirectional	34	3.3	0.05	1	7		8.5	4	0.5
ESDLC3V3LB	DFN1006-2	1	Bidirectional	100	3.3	0.05	1	5		20	5	0.3
ESDLC3304P8	DFN2626-10	4	Unidirectional	450	3.3	0.5	0.002	3.5		18	25	2
ESD3V3D3A	SOD-323	1	Unidirectional	200	3.3	0.5	1	4.5		12	18	200
ESD3V3D3B	SOD-323	1	Bidirectional	500	3.3	0.5	0.002	4.2	6	17	30	200
ESD3V3D3BA	SOD-323	1	Bidirectional	320	3.3	0.5	1	3.7	6	11	29	70
ESDLC3V3D3B	SOD-323	1	Bidirectional	350	3.3	1	1	4		36	28	4.5
ESDLC3V3D3B	SOD-323	1	Bidirectional	350	3.3	0.1	1	4		8	20	1.5
GBLC03CD3B	SOD-323	1	Bidirectional	350	3.3	0.5	1	4.2		20	21	0.5
ESD3V3D5	SOD-523	1	Unidirectional	220	3.3	0.08	1	5		13	16	105
ESD3V3D5B	SOD-523	1	Bidirectional	96	3.3	0.5	1	4.2	6.5	12	8	16
ESD3V3D5BA	SOD-523	1	Bidirectional	180	3.3	0.5	1	3.7	6	10	18	60
ESDLC3V3D5	SOD-523	1	Unidirectional	155	3.3	0.1	0.002	3.5		14.5	11	12
ESDSB3V3D5B-T3P	SOD-523	1	Bidirectional	140	3.3	0.1	1	3.5		9	13	28
ESD3V3D9	SOD-923	1	Unidirectional	100	3.3	1	1	5		8.8	5	50
ESD3V3D9B	SOD-923	1	Bidirectional	80	3.3	1	1	4		8	1	8
LC03-3.3	SOP-8	2	Unidirectional	7200	3.3	0.5	0.002	3.5		48	150	16
ESD3V3AP	SOT-23	2	Unidirectional	300	3.3	10	1	5	5.9	7.5	13.3	150
SM3.3	SOT-23	2	Unidirectional	360	3.3	1.5	1	5.2	6	20	18	200
SM3.3B	SOT-23	2	Bidirectional	350	3.3	1.5	1	4	6.5	10	25	100
SM3.3H	SOT-23	2	Unidirectional	500	3.3	0.5	1	3.5		12.5	40	260
SRV33-4L	SOT23-6L	4	Unidirectional	300	3.3	0.5	0.002	3.5	5.3	14	22	5

ESD Protection

3.6V~5.0V

Part Number	Package	Protected Lines	Configuration	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage Current	Test Current	Breakdown Voltage		Maximum Clamping Voltage	Maximum Peak Pulse Current	Junction Capacitance
				P _{PK} (W)	V _{RWM} (V)	I _R (uA)	I _T (mA)	V _{BR} (V) Min	V _{BR} (V) Max	V _C (V)	I _{PP} (A)	C _J (pF)
ESDULC3V6AE2	0201-A	1	Bidirectional	35	3.6	0.2	1	5		14	2.5	0.25
ESD4V5LB	DFN1006-2	1	Bidirectional	540	4.5	0.5	1	4.8	6	12	45	100
ESD4571P6	DFN1610-2	1	Unidirectional	2400	4.5	0.2	1	4.8		18	180	400
ESD4V5P4	DFN2020-3L	1	Unidirectional	5000	4.5	2	1	4.8		18	280	680
ESD4V5P4B	DFN2020-3L	1	Bidirectional	6000	4.5	1	1	4.8		20	300	350
ESDN4V5D3B	SOD-323	1	Bidirectional	2000	4.5	1	1	4.7		15	135	300
ESDLC5V0AE2	0201-A	1	Bidirectional	120	5	0.1	1	6	9	15	8	15
ESDLSB5V0AE2	0201-A	1	Bidirectional	55	5	0.5	1	6		10	6	18
ESDSBL5V0AE2	0201-A	1	Bidirectional	96	5	0.1	1	6		12	8	13
ESDSB5V0AE2	0201-A	1	Bidirectional	44	5	0.05	1	6		14	4	0.5
ESDSBULC5V0AE2	0201-A	1	Bidirectional	130	5	0.2	1	6		10	13	0.5
ESDSL5V0AE2	0201-A	1	Bidirectional	125	5	0.1	1	6.5	9.5	25	5	0.32
ESDULC5V0AE2	0201-A	1	Bidirectional	11	5	0.1	1	6		11	1	3
ESDUSLC5V0AE2	0201-A	1	Unidirectional	75	5	0.5	1	6		15	5	0.8
CSP5V0AE	CSP0201	1	Bidirectional	140	5	0.5	1	6		9.5	18	30
CSP5V0AE	CSP0201	1	Bidirectional	90	5	0.5	1	5.8		10	9	20
CSP5V0AE	CSP0201	1	Bidirectional	35	5	0.2	1	8	14	8	5	0.5
CSP5V0AE	CSP0201	1	Bidirectional	60	5	0.5	1	6	9	20	3	0.25
CSP5V0AE	CSP0201	1	Bidirectional	70	5	0.5	1	6	9	21	3.5	0.45
CSP5V0WB	CSP0402-2	1	Bidirectional	115	5	0.2	1	5.5	8	9	14	25
CSP5V0L	CSP1006-2	1	Unidirectional	500	5	0.5	1	5.8	8	10.5	50	130
CSP5V0LB	CSP1006-2	1	Bidirectional	900	5	0.5	1	5.5	7.5	10.5	100	300
CSP5V0LB	CSP1006-2	1	Bidirectional	140	5	0.5	1	6		9.5	18	30
CSP5V0LB	CSP1006-2	1	Bidirectional	70	5	0.2	1	6	9	20	3.5	0.3
CSP5V0LB	CSP1006-2	1	Bidirectional	35	5	0.2	1	8	14	8	5	1
CSP5V0LB	CSP1006-2	1	Bidirectional	60	5	0.5	1	6	9	20	3	0.22
CSP5V0LB	CSP1006-2	1	Bidirectional	80	5	0.5	1	6	8.5	22	4	0.45
ESDLC0524DFN10	DFN-10	4	Unidirectional	150	5	0.9	1	6.1	8.5	18	5	0.8
ESDLC0524F	DFN-10	4	Unidirectional	150	5	0.9	1	6.1	9.6	15	5	0.8
ESDLC0534DFN10	DFN-10	4	Unidirectional	50	5	0.2	1	6	8.5	15	3	0.5
ESD5V0LB	DFN1006-2	1	Bidirectional	400	5	0.5	1	6	9	16	25	100
ESDHSB5V0LB	DFN1006-2	1	Bidirectional	860	5	1	1	5.3		11.5	75	230
ESDHSBLC5V0LB	DFN1006-2	1	Bidirectional	210	5	0.05	1	6		14	15	1.55
ESDHSBLC5V0LB	DFN1006-2	1	Bidirectional	180	5	0.2	1	6		18	10	0.6
ESDLSB5V0LB	DFN1006-2	1	Bidirectional	55	5	0.5	1	6		10	6	18
ESDSB5V0LB	DFN1006-2	1	Bidirectional	260	5	0.1	1	5.1		13	20	42
ESDSBL5V0LB	DFN1006-2	1	Bidirectional	96	5	0.1	1	5.3	7.5	10	8	13
ESDSBLC5V0LB	DFN1006-2	1	Bidirectional	41	5	0.1	1	5.3		12	3.5	4
ESDSBULC5V0LB	DFN1006-2	1	Bidirectional	84	5	0.05	1	6		12	7	1
ESDSL5V0L	DFN1006-2	1	Unidirectional	80	5	0.1	1	6		16	4	0.7
ESDSL5V0LB	DFN1006-2	1	Bidirectional	100	5	0.5	1	6	9	20	4	0.35
ESDULC5V0LB	DFN1006-2	1	Bidirectional	10	5	0.2	1	6		10	1	3
ESDLC5V0L2B	DFN1006-2L	1	Bidirectional	75	5	0.5	1	5.6		15	5	15
ESDSBL5V0LTB	DFN1006-3	2	Bidirectional	96	5	0.1	1	5.3		12	8	11

ESD Protection

5.0V~5.5V

Part Number	Package	Protected Lines	Configuration	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage Current	Test Current	Breakdown Voltage		Maximum Clamping Voltage	Maximum Peak Pulse Current	Junction Capacitance
				P _{PK} (W)	V _{RWM} (V)	I _R (uA)	I _T (mA)	V _{BR} (V) Min	V _{BR} (V) Max	V _C (V)	I _{PP} (A)	C _J (pF)
ESDSL5V0LTB	DFN1006-3	2	Unidirectional	75	5	0.1	1	6.4		15	5	0.8
ESD5V0PW	DFN1308-5	4	Unidirectional	36	5	0.1	1	6.5	9	12	3	0.45
SRL05P7	DFN1510-6	4	Unidirectional	90	5	0.9	1	6.1	9.6	17	5	0.8
ESD0551P1	DFN1608-2	1	Unidirectional	1200	5	1	1	6		15	80	700
ESD0571P6	DFN1610-2	1	Unidirectional	1875	5	1	1	6		15	125	650
ESDLC0502P6	DFN1610-6	2	Unidirectional	75	5	0.5	1	6		15	5	0.8
ESDLC0524P3	DFN1616-6	4	Unidirectional	230	5	0.1	1	6.5	9	14	17	1.3
ESDULC0524P5	DFN2510-10	4	Unidirectional	54	5	0.1	1	7		12	4.5	0.4
ESDULC0534P5	DFN2510-10	4	Bidirectional	45	5	0.5	1	6		15	3	0.15
ESDLC5V0PA6	DFN4120-10	6	Unidirectional	100	5	0.5	1	6		25	4	0.4
ESD5V0D3	SOD-323	1	Unidirectional	350	5	1	1	6.2	7.3	15.5	15	350
ESD5V0D3B	SOD-323	1	Bidirectional	120	5	1	1	5.8	8.8	15	8	27
ESDH5V0D3BA	SOD-323	1	Bidirectional	360	5	1	1	5.5	8	12	30	80
ESDLC5V0D3	SOD-323	1	Unidirectional	350	5	5	1	6		32	21	5
ESDLC5V0D3B	SOD-323	1	Bidirectional	350	5	1	1	6		32	21	5
ESDN5V0D3B	SOD-323	1	Bidirectional	1620	5	0.5	1	6		13.5	120	300
ESDSL5V0D3B	SOD-323	1	Bidirectional	350	5	0.5	1	6		28	18	1.5
GBLC05CD3B	SOD-323	1	Bidirectional	350	5	0.5	1	6.1		22	18	0.5
SD05CH	SOD-323	1	Bidirectional	500	5	0.2	1	6		15	34	200
ESD5V0D5	SOD-523	1	Unidirectional	174	5	0.05	1	6.2		18.6	9.4	80
ESD5V0D5B	SOD-523	1	Bidirectional	150	5	1	1	5.8	8.8	13	12	27
ESD5V0D5BS	SOD-523	1	Bidirectional	200	5	0.01	1	6	8	14	15	50
ESDH5V0D5	SOD-523	1	Unidirectional	300	5	0.5	1	6		14	22	160
ESDSL5V0D5	SOD-523	1	Unidirectional	80	5	0.5	1	6		16	5	0.7
ESDLC5V0D9	SOD-923	1	Unidirectional	100	5	1	1	5.4	8.5	9.8	1	0.5
ESDLC5V0D9B	SOD-923	1	Bidirectional		5	1	1	5.6	7.8			2.1
ESDLC5V0D9L	SOD-923	1	Unidirectional	75	5	0.5	1	5.4	6.5	15	5	0.9
LSR05	SOT-143	2	Unidirectional	90	5	0.5	1	6		12	5	0.4
SR05	SOT-143	2	Unidirectional	500	5	0.5	1	6		20	25	6
ESDL5V0T2B	SOT-23	2	Bidirectional	28	5	0.2	1	5.6	9.5	14	2	5
ESDSL5V0T2	SOT-23	2	Unidirectional	100	5	0.5	1	6		20	5	0.4
HSM05	SOT-23	2	Unidirectional	320	5	0.5	1	6		14	23	160
SM05	SOT-23	2	Unidirectional	300	5	10	1	6.2	7.3	9.8	12	110
SM05B	SOT-23	2	Bidirectional	300	5	1	1	6		15	20	80
SRL05	SOT23-6L	4	Unidirectional	90	5	0.9	1	6.1	9.6	17	5	0.8
SRV05-4A	SOT23-6L	4	Unidirectional	300	5	5	1	6		25	12	3
SRV05-4C	SOT23-6L	4	Unidirectional	300	5	0.5	1	6	8.5	18	17	0.4
SRV05-4D	SOT23-6L	4	Unidirectional	72	5	0.1	1	7	9	12	6	0.8
SRV05-4E	SOT23-6L	4	Unidirectional	54	5	0.1	1	7	9	12	4.5	0.4
ESDU5V0T5	SOT-523	2	Unidirectional	56	5	1	1	5.4	9.4	11	4	0.5
ESDA6V1L	SOT-23	2	Unidirectional	300	5.25	20	1	6.1	7.2	16.5	18.5	140
ESDPLC5V0AE2	0201-A	1	Bidirectional	40	5.5	0.05	1	6.1	8.8	15	3	0.2
ESDSB5V5AE2	0201-A	1	Bidirectional	72	5.5	0.1	1	6.1		12	6	13
ESDLC5V0LB	DFN1006-2	1	Bidirectional	80	5.5	0.2	1	6	8	10	8	20

ESD Protection

5.5V~12V

Part Number	Package	Protected Lines	Configuration	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage Current	Test Current	Breakdown Voltage		Maximum Clamping Voltage	Maximum Peak Pulse Current	Junction Capacitance
				P _{PK} (W)	V _{RWM} (V)	I _R (uA)	I _T (mA)	V _{BR} (V) Min	V _{BR} (V) Max	V _C (V)	I _{PP} (A)	C _J (pF)
ESDSB5V5LB	DFN1006-2	1	Bidirectional	72	5.5	0.1	1	6.1		12	6	13
ESDSB5V5LB	DFN1006-2	1	Unidirectional	42	5.5	0.1	1	7	9	14	3.6	0.65
ESDLC5V0L2B	DFN1006-2L	1	Bidirectional	40	5.5	0.05	1	6.1	8.8	15	3	0.2
ESDLC0504P3	DFN1616-6	3	Unidirectional	60	5.5	0.5	1	6.5		12	5	0.4
ESDLC3603P3	DFN1616-6	3	Unidirectional	100	5.5	0.5	1	6.5		20	5	0.5
ESDLC0554P3	DFN1616-6L	4	Unidirectional	240	5.5	0.1	1	6	7.8	22	11	2
SRV05-4L	SOT23-6L	4	Unidirectional	350	5.5	1	1	6		17.5	12	1.5
ESDLC7V0AE2	0201-A	1	Bidirectional	100	7	0.2	1	7.5		17	6	15
ESDSB7V0AE2	0201-A	1	Bidirectional	84	7	0.1	1	7.2	10.5	14	6	13
CSPH7V0L	CSP1006-2	1	Unidirectional	700	7	0.5	1	8		15	45	185
ESD7V0L	DFN1006-2	1	Unidirectional	300	7	0.5	1	7.5		17	18	90
ESD7V0LB	DFN1006-2	1	Bidirectional	80	7	0.2	1	7.5		16	5	15
ESDSB7V0LB	DFN1006-2	1	Bidirectional	84	7	0.1	1	7.2	10.5	14	6	13
ESD0751P6	DFN1610-2	1	Unidirectional	1800	7	1	1	8	10	17	100	900
ESD0771P6	DFN1610-2	1	Unidirectional	1875	7	0.5	1	7.5		16.5	115	550
ESD7V0D5	SOD-523	1	Unidirectional	200	7	0.03	1	7.5		22.7	8.8	65
ESD7V0P4	DFN2020-3L	1	Unidirectional	6000	7.5	1	1	8		22	275	1500
CSP8V0LB	CSP1006-2	1	Bidirectional	150	8	0.5	1	9		20	9	12
ESDULC8V0LB	DFN1006-2	1	Bidirectional	90	8	0.2	1	9.5	11.5	26	3.5	0.5
ESDLC8V0D3B	SOD-323	1	Bidirectional	350	8	1	1	8.5		31.6	18	3
ESDLC8V0D3B	SOD-323	1	Bidirectional	350	8	0.2	1	8.5	10	19.5	18	1.5
GBLC08CD3B	SOD-323	1	Bidirectional	350	8	0.5	1	9.4		26	21	0.5
SD08CH	SOD-323	1	Bidirectional	500	8	0.2	1	8.5		18	30	120
ESD1051P6	DFN1610-2	1	Unidirectional	1800	10	1	1	10.7	12.3	20	86	650
ESD1051P4	DFN2020-3L	1	Unidirectional	4500	10	1	1	10.5	12.5	21	205	2600
ESDLC12VAE2	0201-A	1	Bidirectional	100	12	0.2	1	13.3		20	5	10
CSP12VLB	CSP1006-2	1	Bidirectional	150	12	0.2	1	13		21	8	12
CSPH12VL	CSP1006-2	1	Unidirectional	1300	12	1	1	13	16.5	32	45	150
ESD0512LB	DFN1006-2	1	Asymmetric	200	12	0.2	1	13, 6	17, 10	20	10	40
ESD12VL	DFN1006-2	1	Unidirectional	300	12	0.1	1	13.3		25	12	60
ESD12VLB	DFN1006-2	1	Bidirectional	350	12	0.1	1	13.3		25	14	50
ESDLC12VLB	DFN1006-2	1	Bidirectional	100	12	0.2	1	13.3		20	5	7
ESDSBLC12VLB	DFN1006-2	1	Bidirectional	120	12	0.1	1	13		22	7	7
ESDLC12VLB	DFN1006-2	1	Bidirectional	80	12	0.2	1	13.5		32	2.5	0.5
ESD1251P6	DFN1610-2	1	Unidirectional	1800	12	1	1	12.8	14.6	22	75	510
ESD1271P6	DFN1610-2	1	Unidirectional	1875	12	0.1	1	12.6		25	75	500
ESD1251P4	DFN2020-3L	1	Unidirectional	4500	12	0.1	1	12.5	15	24	200	2000
ESD12VP4	DFN2020-3L	1	Unidirectional	6000	12	1	1	13		30	200	550
ESD12VD3B	SOD-323	1	Bidirectional	350	12	1	1	13.5		15.5	1	100
ESDLC12VD3B	SOD-323	1	Bidirectional	350	12	1	1	13.3		28.6	11	3
ESDULC12VD3B	SOD-323	1	Bidirectional	500	12	0.2	1	13.3	17.8	29	12	1.5
SD12C	SOD-323	1	Bidirectional	500	12	0.2	1	13.3		28	18	100
ESD12VD5	SOD-523	1	Unidirectional	240	12	0.02	1	14.1		25	9.6	55
ESD12VD9	SOD-923	1	Unidirectional	100	12	1	1	13.5		18.4	1	15

ESD Protection

12V~70V

Part Number	Package	Protected Lines	Configuration	Peak Power Dissipation	Reverse Standoff Voltage	Maximum Reverse Leakage Current	Test Current	Breakdown Voltage		Maximum Clamping Voltage	Maximum Peak Pulse Current	Junction Capacitance
				P _{PK} (W)	V _{RWM} (V)	I _R (uA)	I _T (mA)	V _{BR} (V) Min	V _{BR} (V) Max	V _C (V)	I _{PP} (A)	C _J (pF)
LSM712	SOT-23	2	Asymmetric	240	12	0.5	1	13.3		20	12	25
SM12B	SOT-23	2	Bidirectional	300	12	0.5	1	13.3		30	10	32
SM712	SOT-23	2	Asymmetric	400	12	1	1	13.3		25	13	45
SM712H	SOT-23	2	Asymmetric	1000	12	0.1	1	13.3		28	36	75
ESDSBLC15VAE2	0201-A	1	Bidirectional	140	15	0.1	1	15.5	20	23	6	7
ESD15VL	DFN1006-2	1	Unidirectional	300	15	0.5	1	16.7	20	30	10	65
ESDLC15VLB	DFN1006-2	1	Bidirectional	150	15	0.2	1	16.2		25	6	5
ESD1531P1	DFN1608-2	1	Unidirectional	700	15	0.5	1	16.5		35	20	100
ESD1551P6	DFN1610-2	1	Unidirectional	1800	15	1	1	15.5	18	30	60	380
ESD1551P4	DFN2020-3L	1	Unidirectional	4500	15	0.1	1	15.5	18	28	160	1500
ESDLC15VD3B	SOD-323	1	Bidirectional	300	15	0.2	1	16.7		30	10	1.5
SD15CH	SOD-323	1	Bidirectional	500	15	0.2	1	16.7		31	16	80
ESD15VD5	SOD-523	1	Unidirectional	350	15	0.2	1	18	23	32	11	80
SM15B	SOT-23	2	Bidirectional	300	15	0.2	1	17		35	8	25
SM15H	SOT-23	2	Unidirectional	500	15	0.2	1	16.7		32	20	90
ESDLC16VLB	DFN1006-2	1	Bidirectional	30	16	0.1	1	18		30	1	0.9
ESDULC1610LB	DFN1006-2	1	Asymmetric	50	16	0.5	1	15.6		23	16	0.3
ESDSBLC18VAE2	0201-A	1	Bidirectional	34	18	0.05	1	18.5		10	4	0.5
CSPSBULC18VAE	CSP0201	1	Bidirectional	35	18	0.2	1	19		8	5	0.5
CSPSBULC18VLB	CSP1006-2	1	Bidirectional	35	18	0.2	1	19		8	5	0.5
ESDSBLC18VLB	DFN1006-2	1	Bidirectional	40	18	0.05	1	18.5		10	4	0.5
ESDLC18VLB	DFN1006-2	1	Bidirectional	80	18	0.2	1	19		40	2	0.3
ESD1851P6	DFN1610-2	1	Unidirectional	1800	18	1	1	19.2	22.5	35	50	310
ESD1851P4	DFN2020-3L	1	Unidirectional	4500	18	0.1	1	18.5	21	33	150	1200
SM22	SOT-23	2	Unidirectional	300	22	1	1	27		44	3	80
ESDSBLC24VAE2	0201-A	1	Bidirectional	36	24	0.05	1	25		9	4	0.5
ESDLC24VAE2	0201-A	1	Bidirectional	80	24	0.5	1			53	1.5	0.3
CSPSBULC24VAE	CSP0201	1	Bidirectional	40	24	0.2	1	26		8	5	0.7
CSPSBULC24VLB	CSP1006-2	1	Bidirectional	40	24	0.2	1	6		8	5	0.7
ESD24VLB	DFN1006-2	1	Bidirectional	300	24	0.1	1	27		40	5	20
ESDLC24VLB	DFN1006-2	1	Bidirectional	80	24	0.5	1	26.5		53	1.5	0.3
ESD2471P6	DFN1610-2	1	Unidirectional	1875	24	0.1	1	26.7		53.5	35	200
ESD2451P4	DFN2020-3L	1	Unidirectional	4500	24	0.1	1	24.5	28	38	120	1000
ESD24VD3A	SOD-323	1	Unidirectional	300	24	0.5	1	25		50	7	50
ESDLC24VD3B	SOD-323	1	Bidirectional	350	24	1	1	26.7		45	6	3
ESDLC24VD3B	SOD-323	1	Bidirectional	360	24	0.2	1	27		55	6	1.5
GBLC24CD3B	SOD-323	1	Bidirectional	350	24	0.5	1	9.4		58	6	0.5
SD24C	SOD-323	1	Bidirectional	450	24	1		26.7		62	8	50
HSM24B	SOT-23	2	Bidirectional	450	24	0.2	1	25		34.5	13	15
SM24B	SOT-23	2	Bidirectional	300	24	0.2	1	27		60	5	20
SD36CH	SOD-323	1	Bidirectional	500	36	0.2	1	38		50	6	30
SM36	SOT-23	2	Unidirectional	240	36	1	1	40	48	80	3	30
SM36B	SOT-23	2	Bidirectional	300	36	0.2	1	38		90	3	15
SR70	SOT-143	2	Unidirectional	168	70	5	0.05	85		7	24	10

Automotive Products

Automotive Power TVS

Part Number	Configuration	Package	Peak Pulse Power Dissipation P _{PK} (W)	Reverse Standoff Voltage V _{RWM} (V)	Reverse Leakage I _R (uA)	Max. Clamping Voltage V _C (V)	Peak Pulse Current I _{PP} (A)	Breakdown Voltage		Test Current I _T (mA)
								V _{BR} (V) Min	V _{BR} (V) Max	
SMF5.0AHE3~SMF100AHE3	Unidirectional	SOD-123FL	200	5~100	1~400	9.2~162	1.1~21.7	6.4~111	7.07~123	1~10
SMF5.0AQ~SMF100AQ	Unidirectional	SOD-123FL	200	5~100	1~400	9.2~162	1.23~21.74	6.4~111	7.07~123	1~10
SM4F6.0AHE3~SM4F100AHE3	Unidirectional	SOD-123FL	400	6~100	1~800	10.3~162	2.5~38.8	6.67~111	7.37~123	1~10
SM4F6.0CAHE3~SM4F45CAHE3	Bidirectional	SOD-123FL	400	6~45	1~800	10.3~72.7	5.5~38.8	6.67~50	7.37~55.3	1~10
SMAJ5.0AHE3~SMAJ90AHE3	Unidirectional	SMA	400	5~190	1~800	9.2~308	1.3~43.4	6.4~211	7.07~232	1~10
SMAJ5.0CAHE3~SMAJ190CAHE3	Bidirectional	SMA	400	5~190	1~800	9.2~308	1.3~43.4	6.4~211	7.07~232	1~10
SMAJ5.0AQ~SMAJ90AQ	Unidirectional	SMA	400	5~190	1~800	9.2~307.8	1.3~43.4	6.4~211	7.07~232	1~10
SMAJ5.0CAQ~SMAJ190CAQ	Bidirectional	SMA	400	5~190	1~800	9.2~307.8	1.3~43.4	6.4~211	7.07~232	1~10
SMAJP4KE12AHE3~SMAJP4KE220AHE3	Unidirectional	SMA	400	10.2~185	1~5	16.7~328	1.2~24.6	11.4~209	12.6~231	1
SMAJP4KE12CAHE3~SMAJP4KE220CAHE3	Bidirectional	SMA	400	10.2~185	1~5	16.7~328	1.2~24.6	11.4~209	12.6~231	1
SMAJP4KE6.8AQ~SMAJP4KE220AQ	Unidirectional	SMA	400	5.8~185	1~1000	10.5~328	1.2~38.1	6.46~209	7.14~231	1~10
SMAJP4KE6.8CAQ~SMAJP4KE220CAQ	Bidirectional	SMA	400	5.8~185	1~1000	10.5~328	1.2~38.1	6.46~209	7.14~231	1~10
SMA6J10AHE3~SMA6J100AHE3	Unidirectional	SMA	600	10~100	1~5	17~162	3.7~35.3	11.1~111	12.3~123	1
SMA6J10CAHE3~SMA6J40CAHE3	Bidirectional	SMA	600	10~40	1~5	17~64.5	9.3~35.3	11.1~44.4	12.3~49.1	1
SMA6J10AQ~SMA6J100AQ	Unidirectional	SMA	600	10~100	1~5	17~162	3.7~35.3	11.1~111	12.3~123	1
SMA6J10CAQ~SMA6J20CAQ	Bidirectional	SMA	600	10~20	1~5	17~32.4	18.5~35.3	11.1~22.2	12.3~24.5	1
SMBJ5.0AHE3~SMBJ190AHE3	Unidirectional	SMB	600	5~190	1~800	9.2~307.8	1.9~65.2	6.4~211	7.07~232	1~10
SMBJ5.0CAHE3~SMBJ190CAHE3	Bidirectional	SMB	600	5~190	1~800	9.2~307.8	1.9~65.2	6.4~211	7.07~232	1~10
SMBJ5.0AQ~SMBJ190AQ	Unidirectional	SMB	600	5~190	1~800	9.2~307.8	2~65.2	6.4~211	7.07~232	1~10
SMBJ5.0CAQ~SMBJ190CAQ	Bidirectional	SMB	600	5~190	1~800	9.2~307.8	2~65.2	6.4~211	7.07~232	1~10
SMBJP6KE12AHE3~SMBJP6KE220AHE3	Unidirectional	SMB	600	10.2~185	1~5	16.7~328	1.9~36.5	11.4~209	12.6~231	1
SMBJP6KE12CAHE3~SMBJP6KE220CAHE3	Bidirectional	SMB	600	10.2~185	1~5	16.7~328	1.9~36.5	11.4~209	12.6~231	1
SMBJP6KE6.8AQ~SMBJP6KE220AQ	Unidirectional	SMB	600	5.8~185	1~1000	10.5~328	1.8~57.1	6.46~209	7.14~231	1~10
SMBJP6KE6.8CAQ~SMBJP6KE220CAQ	Bidirectional	SMB	600	5.8~185	1~1000	10.5~328	1.8~57.1	6.46~209	7.14~231	1~10
SMCJ1.5KE12AHE3~SMCJ1.5KE220AHE3	Unidirectional	SMC	1500	10.2~185	1~5	16.7~328	4.6~91	11.4~209	12.6~231	1
SMCJ1.5KE12CAHE3~SMCJ1.5KE220CAHE3	Bidirectional	SMC	1500	10.2~185	1~5	16.7~328	4.6~91	11.4~209	12.6~231	1
SMCJ1.5KE6.8AQ~SMCJ1.5KE220AQ	Unidirectional	SMC	1500	5.8~185	1~1000	10.5~328	4.6~142.9	6.46~209	7.14~231	1~10
SMCJ1.5KE6.8CAQ~SMCJ1.5KE220CAQ	Bidirectional	SMC	1500	5.8~185	1~1000	10.5~328	4.6~142.9	6.46~209	7.14~231	1~10
SMCJ10AHE3~SMCJ190AHE3	Unidirectional	SMC	1500	10~190	1~5	17~307.8	4.9~88.2	11.1~211	12.3~232	1
SMCJ10CAHE3~SMCJ190CAHE3	Bidirectional	SMC	1500	10~190	1~5	17~307.8	4.9~88.2	11.1~211	12.3~232	1
SMCJ5.0AQ~SMCJ190AQ	Unidirectional	SMC	1500	5~190	1~5	9.2~307.8	4.9~163	6.4~211	7.07~232	1~10
SMCJ5.0CAQ~SMCJ190CAQ	Bidirectional	SMC	1500	5~190	1~5	9.2~307.8	4.9~163	6.4~211	7.07~232	1~10
SMLJ10AHE3A~SMLJ48AHE3A	Unidirectional	SMC	3000	10~48	1~5	17~77.4	38.8~176.4	11.1~53.3	12.3~58.9	1
SMLJ10CAHE3A~SMLJ48CAHE3A	Bidirectional	SMC	3000	10~48	1~5	17~77.4	38.8~176.4	11.1~53.3	12.3~58.9	1
SMLJ10AHE3~SMLJ43AHE3	Unidirectional	SMC	3000	10~43	2~15	17~69.4	43.2~176.4	11.1~47.8	12.3~52.8	5
SMLJ10CAHE3~SMLJ43CAHE3	Bidirectional	SMC	3000	10~43	2~15	17~69.4	43.2~176.4	11.1~47.8	12.3~52.8	5
SMLJ5.0AQ~SMLJ48AQ	Unidirectional	SMC	3000	5~48	1~1000	9.2~77.4	38.76~326.09	6.4~53.3	7.07~58.9	1~10
SMLJ5.0CAQ~SMLJ48CAQ	Bidirectional	SMC	3000	5~48	1~1000	9.2~77.4	38.76~326.09	6.4~53.3	7.07~58.9	1~10
SM5S10A~SM5S43A	Unidirectional	DO-218AB	3600	10~43	10~15	17~69.4	52~212	11.1~47.8	12.3~52.8	5
SM6S10A~SM6S43A	Unidirectional	DO-218AB	4600	10~43	10~15	17~69.4	66~271	11.1~47.8	12.3~52.8	5
5.0SMLJ5.0AHE3~5.0SMLJ85AHE3	Unidirectional	SMC	5000	5~85	2~1000	9.2~137	36.5~543.6	6.4~94.4	7~104	1~10
5.0SMLJ5.0CAHE3~5.0SMLJ85CAHE3	Bidirectional	SMC	5000	5~85	2~1000	9.2~137	36.5~543.6	6.4~94.4	7~104	1~10
SM8S10A~SM8S43A	Unidirectional	DO-218AB	6600	10~43	10~15	17~69.4	95.1~388	11.1~47.8	12.3~52.8	5
SM8S10AHE3~SM8S43AHE3	Unidirectional	DO-218AB	6600	10~43	10~15	17~69.4	95.1~388	11.1~47.8	12.3~52.8	5
SM8S14CA~SM8S43CA	Bidirectional	DO-218AB	6600	14~43	10	23.2~69.4	95.1~284	15.6~47.8	17.2~52.8	5

Power TVS

200W~1500W

Part Number	Configuration	Package	Peak Pulse Power Dissipation P _{PK} (W)	Reverse Standoff Voltage V _{RWM} (V)	Reverse Leakage I _R (uA)	Max. Clamping Voltage V _C (V)	Peak Pulse Current I _{PP} (A)	Breakdown Voltage		Test Current I _T (mA)
								V _{BR} (V) Min	V _{BR} (V) Max	
SMF5.0A~SMF170A	Unidirectional	SOD-123FL	200	5.0~170	1~400	9.2~275	0.6~21.7	6.4~189	7~209	1~10
SMF5.0CA~SMF170CA	Bidirectional	SOD-123FL	200	5.0~170	1~400	9.2~275	0.6~21.7	6.4~189	7~209	1~10
P4KE6.8A~P4KE550A	Unidirectional	DO-41	400	5.8~495	1~1000	10.5~760	0.52~39	6.45~522.5	7.14~577.5	1~10
P4KE6.8CA~P4KE550CA	Bidirectional	DO-41	400	5.8~495	1~1000	10.5~760	0.52~39	6.45~522.5	7.14~577.5	1~10
SM4F5.0A~SM4F100A	Unidirectional	SOD-123FL	400	5.0~100	1~400	9.2~162	2.46~43.5	6.4~111	7~123	1~10
SM4F11CA~SM4F45CA	Bidirectional	SOD-123FL	400	11~45	1	18.2~72.7	5.5~21.98	12.2~50	13.5~55.3	1
SMAF5.0A~SMAF300A	Unidirectional	DO-221AC	400	5~300	1~800	9.2~486	0.8~43.5	6.4~335	7~371	1~10
SMAF5.0CA~SMAF300CA	Bidirectional	DO-221AC	400	5~300	1~800	9.2~486	0.8~43.5	6.4~335	7~371	1~10
SMAJ5.0A~SMAJ440A	Unidirectional	SMA	400	5~440	1~800	9.2~713	0.6~43.5	6.4~492	7~543	1~10
SMAJ5.0CA~SMAJ440CA	Bidirectional	SMA	400	5~440	1~800	9.2~713	0.6~43.5	6.4~492	7~543	1~10
SMAJP4KE220AL~SMAJP4KE350AL	Unidirectional	SMA	400	185~300	1	328~482	0.9~1.3	209~332	231~368	1
SMAJP4KE6.8A~SMAJP4KE550A	Unidirectional	SMA	400	5.8~495	1~1000	10.5~760	0.5~39	6.4~522.5	7.14~577.5	1~10
SMAJP4KE6.8CA~SMAJP4KE550CA	Bidirectional	SMA	400	5.8~495	1~1000	10.5~760	0.5~39	6.45~522.5	7.14~577.5	1~10
P5KE5.0A~P5KE200A	Unidirectional	DO-15	500	5~200	3~600	9.2~324	1.5~54.3	6.4~220	7.25~256	1~10
P5KE5.0CA~P5KE200CA	Bidirectional	DO-15	500	5~200	3~1200	9.2~324	1.5~54.3	6.4~220	7.25~256	1~10
SA5.0A~SA170A	Unidirectional	DO-15	500	5~170	1~600	9.2~275	1.9~55.4	6.4~189	7~209	1~10
SA5.0CA~SA170CA	Bidirectional	DO-15	500	5~170	1~600	9.2~275	1.9~55.4	6.4~189	7~209	1~10
SAC5.0~SAC50	Unidirectional	DO-15	500	5~50	5~300	10~88	5.8~44	7.6~55.5	-	1
SMB5.0~SMB50	Unidirectional	SMB	500	5.0~50	5~300	10~88	5.8~44	7.6~55.5	-	1
P6KE6.8A~P6KE600A	Unidirectional	DO-15	600	5.8~512	1~1000	10.5~828	0.75~57	6.45~570	7.14~630	1~10
P6KE6.8CA~P6KE600CA	Bidirectional	DO-15	600	5.8~512	1~1000	10.5~828	0.75~57	6.45~570	7.14~630	1~10
SAC136	Unidirectional	DO-15	600	136	1	219	2.7	150	170	1
SMAJ5.0AFL~SMAJ130AFL	Unidirectional	DO-221AC	600	5~130	1~800	9.2~209	2.9~65.2	6.4~144	7~159	1~10
SMA6J11CAFL~SMA6J85CAFL	Bidirectional	DO-221AC	600	11~85	1	18.2~137	4.4~33	12.2~94.4	13.5~104	1
SMA6J5.0A~SMA6J58A	Unidirectional	SMA	600	5~58	1~800	9.2~93.6	6.41~65.2	6.4~64.4	7~71.2	1~10
SMA6J5.0CA~SMA6J58CA	Bidirectional	SMA	600	5~58	1~800	9.2~93.6	6.41~65.2	6.4~64.4	7~71.2	1~10
SMBJ220AL~SMBJ440AL	Unidirectional	SMB	600	220~440	1	356~648	0.9~1.7	246~447	272~494	1
SMBJ220CAL~SMBJ440CAL	Bidirectional	SMB	600	220~440	1	356~713	0.9~1.7	246~492	272~543	1
SMBJ5.0A~SMBJ440A	Unidirectional	SMB	600	5~440	1~800	9.2~713	0.9~65.2	6.4~492	7~543	1~10
SMBJ5.0CA~SMBJ440CA	Bidirectional	SMB	600	5~440	1~800	9.2~713	0.9~65.2	6.4~492	7~543	1~10
SMBJP6KE250AL~SMBJP6KE400AL	Unidirectional	SMB	600	214~342	1	344~548	1.1~1.9	237~380	263~420	1
SMBJP6KE6.8A~SMBJP6KE550A	Unidirectional	SMB	600	5.8~495	1~1000	10.5~760	0.8~58.1	6.45~522.5	7.14~577.5	1~10
SMBJP6KE6.8CA~SMBJP6KE550CA	Bidirectional	SMB	600	5.8~495	1~1000	10.5~760	0.8~58.1	6.45~522.5	7.14~577.5	1~10
SMBF5.0A~SMBF220A	Unidirectional	SMBF	600	5.0~220	1~800	9.2~356	1.69~65.22	6.4~246	7.07~272	1~10
SMBF5.0CA~SMBF220CA	Bidirectional	SMBF	600	5.0~220	1~800	9.2~356	1.69~65.22	6.4~246	7.07~272	1~10
SMB10J5.0A~SMB10J120A	Unidirectional	SMB	1000	5.0~120	1~800	9.2~193	5.18~108.7	6.4~133	7~147	1~10
SMB10J5.0CA~SMB10J120CA	Bidirectional	SMB	1000	5.0~120	1~800	9.2~193	5.18~108.7	6.4~133	7~147	1~10
SMBJ1.0KE6.8A~SMBJ1.0KE91A	Unidirectional	SMB	1000	5.8~77.8	1~900	10.5~125	8~95.2	6.46~86.45	7.14~95.55	1~10
SMBJ1.0KE6.8CA~SMBJ1.0KE91CA	Bidirectional	SMB	1000	5.8~77.8	1~900	10.5~125	8~95.2	6.46~86.45	7.14~95.55	1~10
1.5KE6.8A~1.5KE550A	Unidirectional	DO-201AE	1500	5.8~467	5~1000	10.5~760	2~144.8	6.45~522.5	7.14~577.5	1~10
1.5KE6.8CA~1.5KE550CA	Bidirectional	DO-201AE	1500	5.8~467	5~1000	10.5~760	2~144.8	6.45~522.5	7.14~577.5	1~10
LCE6.5A~LCE28A	Unidirectional	DO-201AE	1500	6.5~28	5~1000	11.2~45.5	33~100	7.22~31.3	7.98~34.4	1~10
SMB15J15A~SMB15J58A	Unidirectional	SMB	1500	15~58	5	24.4~93.6	16.03~61.48	16.7~64.4	18.5~71.2	1
SMB15J15CA~SMB15J58CA	Bidirectional	SMB	1500	15~58	5	24.4~93.6				

Power TVS

1500W~30000W

Part Number	Configuration	Package	Peak Pulse Power Dissipation	Reverse Standoff Voltage	Reverse Leakage	Max. Clamping Voltage	Peak Pulse Current	Breakdown Voltage		Test Current
			P _{PK} (W)	V _{RWM} (V)	I _R (uA)	V _C (V)	I _{PP} (A)	V _{BR} (V) Min	V _{BR} (V) Max	I _T (mA)
SMCJ1.5KE6.8A~SMCJ1.5KE550A	Unidirectional	SMC	1500	5.8~495	5~1000	10.5~760	2~144.8	6.45~522.5	7.14~577.5	1~10
SMCJ1.5KE6.8CA~SMCJ1.5KE550CA	Bidirectional	SMC	1500	5.8~495	5~1000	10.5~760	2~144.8	6.45~522.5	7.14~577.5	1~10
SMCJ220AL~SMCJ350AL	Unidirectional	SMC	1500	220~350	1	356~567	2.6~4.2	246~391	272~432	1
SMCJ220CAL~SMCJ250CAL	Bidirectional	SMC	1500	220~250	1	356~405	3.7~4.2	246~279	272~309	1
SMCJ5.0A~SMCJ440A	Unidirectional	SMC	1500	5.0~440	1~800	9.2~713	2.1~163	6.4~492	7~543	1~10
SMCJ5.0CA~SMCJ440CA	Bidirectional	SMC	1500	5.0~440	1~800	9.2~713	2.1~163	6.4~492	7~543	1~10
SMB20J20A~SMB20J58A	Unidirectional	SMB	2000	20~58	1	32.4~93.6	21.37~61.73	22.2~64.4	24.5~71.2	1
SMB20J20CA~SMB20J58CA	Bidirectional	SMB	2000	20~58	1	32.4~93.6	21.37~61.73	22.2~64.4	24.5~71.2	1
3KP5.0A~3KP220A	Unidirectional	R-6	3000	5~220	10~5000	9.2~371.1	8.1~326.1	6.4~244	7~270	5~50
3KP5.0CA~3KP220CA	Bidirectional	R-6	3000	5~220	10~5000	9.2~371.1	8.1~326.1	6.4~244	7~270	5~50
SMLJ5.0A~SMLJ440A	Unidirectional	SMC	3000	5~440	2~1000	9.2~713	4.21~326	6.4~492	7~543	1~10
SMLJ5.0CA~SMLJ440CA	Bidirectional	SMC	3000	5~440	2~1000	9.2~713	4.21~326	6.4~492	7~543	1~10
5.0SMLJ11A~5.0SMLJ400A	Unidirectional	SMC	5000	11~400	5~800	18.2~648	7.7~275	12.2~447	13.5~494	1~10
5.0SMLJ11CA~5.0SMLJ170CA	Bidirectional	SMC	5000	11~170	5~800	18.2~275	18.2~275	12.2~189	13.5~209	1~10
5KP5.0A~5KP440A	Unidirectional	R-6	5000	5~440	10~5000	9.2~713	7~543	6.4~492	7~543	5~50
5KP5.0CA~5KP440CA	Bidirectional	R-6	5000	5~440	10~5000	9.2~713	7~543	6.4~492	7~543	5~50
5KP5.0AL~5KP188AL	Unidirectional	R-6	5000	5~188	2~5000	9.2~328	15.2~543	6.4~209	7~231	5~50
5KP5.0CAL~5KP188CAL	Bidirectional	R-6	5000	5~188	2~5000	9.2~328	15.2~543	6.4~209	7~231	5~50
SLD10A~SLD60A	Unidirectional	R-6	6000	10~60	10	17~96.8	61.5~350	11.8~68.4	13~75.6	5
SLD10CA~SLD60CA	Bidirectional	R-6	6000	10~60	10	17~96.8	61.5~350	11.8~68.4	13~75.6	5
15KP17A~15KP280A	Unidirectional	R-6	15000	17~280	10~5000	29.3~452	33~512	18.9~311	20.79~342.4	5~50
15KP17CA~15KP280CA	Bidirectional	R-6	15000	17~280	10~5000	29.3~452	33~512	18.9~311	20.79~342.4	5~50
30KP28A~30KP288A	Unidirectional	R-6	30000	28~288	10~5000	50~469.9	64.5~606	31.28~321.7	34.24~352.2	5~50
30KP28CA~30KP288CA	Bidirectional	R-6	30000	28~288	10~5000	50~469.9	64.5~606	31.28~321.7	34.24~352.2	5~50

Power TVS

AK/SME/SMG

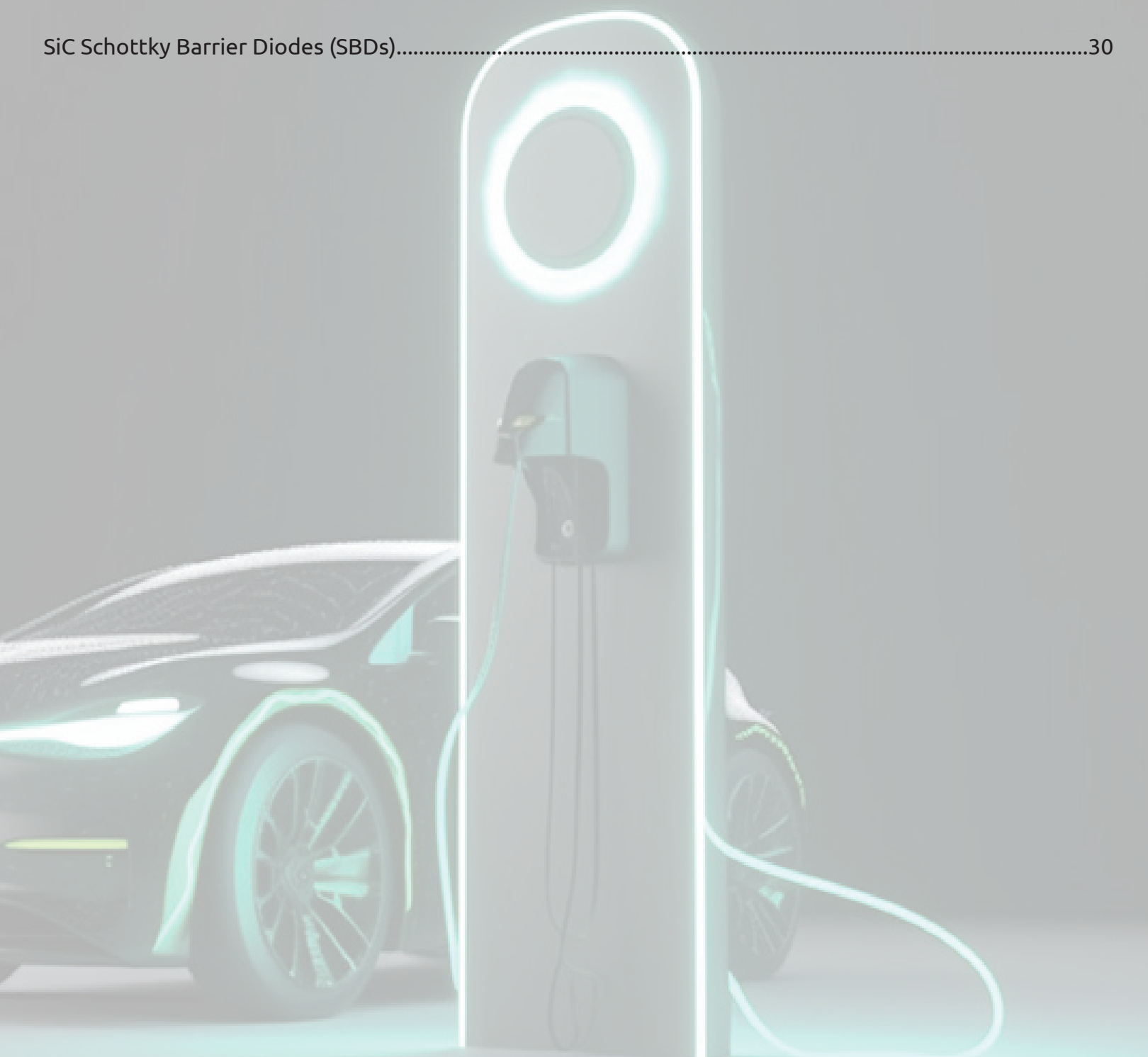
Part Number	Configuration	Package	Peak Pulse Power Dissipation	Reverse Standoff Voltage	Reverse Leakage	Max. Clamping Voltage	Peak Pulse Current	Breakdown Voltage		Test Current
			P _{PK} (W)	V _{RWM} (V)	I _R (uA)	V _C (V)	I _{PP} (A)	V _{BR} (V) Min	V _{BR} (V) Max	I _T (mA)
AK1-076C	Bidirectional	AK	-	76	20	135	1000	83	-	10
AK3-030C	Bidirectional	AK	-	30	20	90	3000	32	-	10
AK3-058C	Bidirectional	AK	-	58	20	110	3000	64	-	10
AK3-066C	Bidirectional	AK	-	66	20	125	3000	70	-	10
AK3-076C	Bidirectional	AK	-	76	20	140	3000	85	-	10
AK3-380C	Bidirectional	AK	-	380	20	520	3000	401	-	10
AK3-430C	Bidirectional	AK	-	430	20	625	3000	440	-	10
AK6-058C	Bidirectional	AK	-	58	20	110	6000	64	-	10
AK6-066C	Bidirectional	AK	-	66	20	125	6000	70	-	10
AK6-076C	Bidirectional	AK	-	76	20	135	6000	83	-	10
AK6-170C	Bidirectional	AK	-	170	20	260	6000	180	-	10
AK6-190C	Bidirectional	AK	-	190	20	290	6000	200	-	10
AK6-240C	Bidirectional	AK	-	240	20	340	6000	250	-	10
AK6-380C	Bidirectional	AK	-	380	20	520	6000	401	-	10
AK6-430C	Bidirectional	AK	-	430	20	625	6000	440	-	10
AK10-058C	Bidirectional	AK	-	58	20	110	10000	64	-	10
AK10-066C	Bidirectional	AK	-	66	20	125	10000	70	-	10
AK10-076C	Bidirectional	AK	-	76	20	135	10000	83	-	10
AK10-170C	Bidirectional	AK	-	170	20	260	10000	180	-	10
AK10-190C	Bidirectional	AK	-	190	20	290	10000	200	-	10
AK10-200C	Bidirectional	AK	-	200	20	330	10000	222	-	10
AK10-240C	Bidirectional	AK	-	240	20	340	10000	250	-	10
AK10-380C	Bidirectional	AK	-	380	20	520	10000	401	-	10
AK10-430C	Bidirectional	AK	-	430	20	625	10000	440	-	10
AK15-058C	Bidirectional	AK	-	58	20	110	15000	64	-	10
AK15-076C	Bidirectional	AK	-	76	20	145	15000	85	-	10
SMEJ58CA	Bidirectional	SME	-	58	5	110	10000	64	70	10
SMEJ66CA	Bidirectional	SME	-	66	5	120	10000	72	80	10
SMEJ76CA	Bidirectional	SME	-	76	5	135	10000	85	95	10
SMEJ86CA	Bidirectional	SME	-	86	5	157	10000	96	107	10
SMGJ80CA	Bidirectional	SMG	-	80	5	130	2500	90	110	1

Silicon Carbide (SiC)

MCC's silicon carbide semiconductors deliver fast switching speed, low forward drop, and temperature stability, enabling a range of high-power and high-voltage applications. Our selection of SiC Schottky barrier diodes and SiC MOSFETs provides ruggedness, reliability, and wider bandgap, making them ideal for renewable energy systems and industrial automation.

SiC MOSFETs.....29

SiC Schottky Barrier Diodes (SBDs).....30



SiC MOSFETs

1200V/1700V N Channel

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance
			P_o (W)	V_{ds} (V)	V_{gs} (V)	I_D (A)	$R_{DS(on)}$ (Ω) @20V	$R_{DS(on)}$ (Ω) @18V	$R_{DS(on)}$ (Ω) @15V	$V_{GS(th)}$ (V)	$V_{GS(th)}$ (V)	C_{iss} (pF)
SICBG160N120A	TO-263-7L	N	116	1200	-5/+22	18	0.140	0.160	-	1.5	3.0	780
SICW080N120Y	TO-247	N	220	1200	-8/+22	38	-	0.085	-	2.3	3.6	890
SICW080N120Y4	TO-247-4	N	223	1200	-8/+22	39	-	0.085	-	2.3	3.6	890
SICW028N120A4	TO-247-4	N	375	1200	-5/+22	80	0.030	0.035	-	1.5	3.0	3570
SICW1000N170A	TO-247AB	N	69	1700	-5/+25	3	1.320	1.370	1.480	2.5	4.5	124
SICW400N170A	TO-247AB	N	125	1700	-5/+25	6	0.500	0.550	-	2.0	4.5	333

SiC SBDs

SiC SBDs

650V

1200V

Part Number	Package	Scroll to view Configuration	Average Forward Current	Peak Repetitive Reverse Voltage	Forward Voltage	Junction Temperature
			I _F (A)	V _{RRM} (V)	V _F (V)	(°C)
SICU0260B	DPAK	Single	2	650	1.6	-55~+175
SIC0260Y	TO-220AC	Single	2	650	1.6	-55~+175
SICU0460B	DPAK	Single	4	650	1.8	-55~+175
SICU0660P	DPAK	Single	6	650	1.5	-55~+175
SIC0660P	TO-220AC	Single	6	650	1.5	-55~+175
SICB0860P	D2-PAK	Single	8	650	1.55	-55~+175
SIC0860PL8	DFN8080A	Single	8	650	1.55	-55~+175
SICU0860P	DPAK	Single	8	650	1.55	-55~+175
SICF0860P	ITO-220AC	Single	8	650	1.55	-55~+175
SIC0860P	TO-220AC	Single	8	650	1.55	-55~+175
SICB1060P	D2-PAK	Single	10	650	1.55	-55~+175
SIC1060PL8	DFN8080A	Single	10	650	1.55	-55~+175
SICU1060P	DPAK	Single	10	650	1.55	-55~+175
SICF1060P	ITO-220AC	Single	10	650	1.55	-55~+175
SIC1060P	TO-220AC	Single	10	650	1.55	-55~+175
SICB2060Y	D2-PAK	Single	20	650	1.55	-55~+175
SICF2060Y	ITO-220AC	Single	20	650	1.55	-55~+175
SIC2060Y	TO-220AC	Single	20	650	1.55	-55~+175
SICPT2060DY	TO-247AB	Dual	20	650	1.55	-55~+175
SICPT2060Y	TO-247AD	Single	20	650	1.55	-55~+175
SICPT3060Y	TO-247AD	Single	30	650	1.65	-55~+175
SICU1060XY	DPAK	Single	32	650	1.55	-55~+175
SICPT4060DY	TO-247AB	Dual	40	650	1.55	-55~+175
SICB5060XY	D2-PAK	Single	50	650	1.6	-55~+175
SICPT5060Y	TO-247AD	Single	50	650	1.6	-55~+175

Part Number	Package	Scroll to view Configuration	Average Forward Current	Peak Repetitive Reverse Voltage	Forward Voltage	Junction Temperature
			I _F (A)	V _{RRM} (V)	V _F (V)	(°C)
SICU02120B	DPAK	Single	2	1200	1.7	-55~+175
SICB10120Y	D2-PAK	Single	10	1200	1.54	-55~+175
SIC10120YA	D2-PAK	Single	10	1200	1.54	-55~+175
SICU10120Y	DPAK	Single	10	1200	1.54	-55~+175
SICF10120Y	ITO-220AC	Single	10	1200	1.54	-55~+175
SIC10120Y	TO-220AC	Single	10	1200	1.54	-55~+175
SICPT10120Y	TO-247AD	Single	10	1200	1.54	-55~+175
SIC15120Y	TO-220AC	Single	15	1200	1.45	-55~+175
SICPT15120Y	TO-247AD	Single	15	1200	1.45	-55~+175
SICB20120Y	D2-PAK	Single	20	1200	1.55	-55~+175
SICPT20120DY	TO-247AB	Dual	20	1200	1.54	-55~+175
SICPT20120Y	TO-247AD	Single	20	1200	1.55	-55~+175
SICPT30120DY	TO-247AB	Dual	30	1200	1.45	-55~+175
SICPT30120YA	TO-247AD	Single	30	1200	1.58	-55~+175
SICPT30120YB	TO-247AD	Single	30	1200	1.75	-55~+175
SICPT40120DY	TO-247AB	Dual	40	1200	1.55	-55~+175
SICPT40120Y	TO-247AD	Single	40	1200	1.6	-55~+175
SICPT40120YA	TO-247AD	Single	40	1200	1.58	-55~+175

IGBTs

Insulated gate bipolar transistors are essential for high-voltage power in various demanding applications. MCC's IGBT portfolio includes several efficient and reliable options with high current densities. Ideal for industrial, renewable energy, and automotive devices and systems, our solutions are proven to perform.

Automotive Products

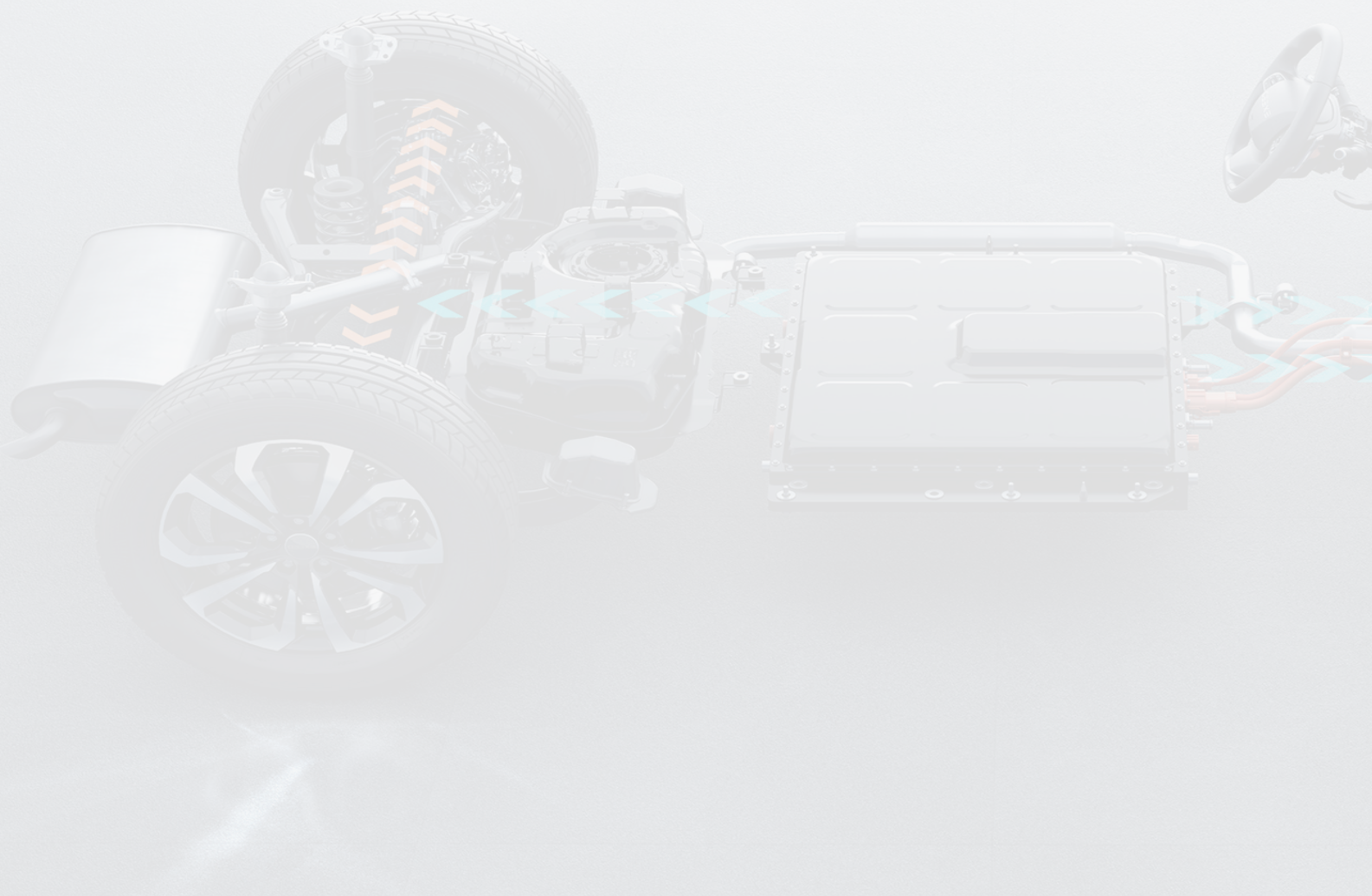
Automotive IGBT Discrete

Part Number	Package	Configuration	Voltage Class Maximum	IC @ 100° Maximum	VCE(sat)	Eon	Eoff Hard Switching
			(V)	(A)	(V)	(mj)	(mj)
MIW40N120FLAHE3	TO-247AB	Single	1200	40	2.3	3.8	1.7

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IGBT Discrete

IGBT Modules

650V/1200V

650V/1200V

Part Number	Package	Configuration	Voltage Class Maximum	IC @ 100° Maximum	VCE(sat)	Eon	Eoff Hard Switching
			(V)	(A)	(V)	(mj)	(mj)
MIP10N65AT0Y	TO-220AB	Single	650	10	1.7	0.36	0.17
MIW30N65AH1Y	TO-247AB	Single	650	30	2.4	1.14	0.73
MIW30N65FA	TO-247AB	Single	650	30	2.4	1.35	0.45
MIW30N65FLA	TO-247AB	Single	650	30	2.2	1.5	0.8
MIW40N65AT0Y	TO-247AB	Single	650	40	1.85	1.31	0.61
MIW40N65RA	TO-247AB	Single	650	40	2.4	1.6	0.88
MIW50N65RA	TO-247AB	Single	650	50	2.4	1.49	0.67
MIW50N65F	TO-247AB	Single	650	60	1.95	1.62	0.85
MIW60N65RA	TO-247AB	Single	650	60	2.5	2.98	1.51
MIW75N65F	TO-247AB	Single	650	80	1.95	2.5	1.3
MIW15N120FA	TO-247AB	Single	1200	15	2.3	2.2	1.3
MIW25N120FA	TO-247AB	Single	1200	25	2.3	2.8	2.4
MIW40N120FLA	TO-247AB	Single	1200	40	2.3	3.8	1.7
MIWP75N120	TO-247P	Single	1200	75	1.9	5.4	4.1
MIWP75N120DH1Y	TO-247Plus	Single	1200	75	2.5	7.7	2.2

Part Number	Package	Configuration	Voltage Class Maximum	IC @ 100° Maximum	VCE(sat)	Eon	Eoff Hard Switching
			(V)	(A)	(V)	(mj)	(mj)
MIF400R065C2TL	C2	Dual	650	400	2.00	6.10	8.50
MIF75R12C1PF	C1	Dual	1200	75	3.80	13.40	5.80
MIF75R12C1TL	C1	Dual	1200	75	2.05	9.70	7.00
MIF100R12C1PF	C1	Dual	1200	100	3.80	15.80	5.90
MIF100R12C1TL	C1	Dual	1200	100	2.05	11.65	10.90
MIF100R12C1TF	C1	Dual	1200	100	2.35	8.12	7.63
MIF150R12C1TL	C1	Dual	1200	150	2.20	19.70	16.50
MIF150R12C2TL	C2	Dual	1200	150	1.85	18.00	7.90
MIF200R12C2TL	C2	Dual	1200	200	2.20	21.10	12.90
MIF200R12C2TF	C2	Dual	1200	200	2.40	33.40	12.30
MIF300R12C2TL	C2	Dual	1200	300	2.20	37.10	20.60
MIF450R12C2TL	C2	Dual	1200	450	2.35	23.20	28.50
MIF450R12E3TL	E3	Dual	1200	450	2.20	52.10	38.20
MIP15R12E1TN	E1	PIM three phase input rectifier	1200	15	2.20	1.42	0.78
MIP25R12E1TN	E1	PIM three phase input rectifier	1200	25	2.25	1.80	1.40
MIP25R12E1ATN	E1A	PIM three phase input rectifier	1200	25	2.14	2.38	2.17
MIP35R12E1ATN	E1A	PIM three phase input rectifier	1200	35	6.80	3.48	1.65
MIP40R12E1TN	E1	PIM three phase input rectifier	1200	40	2.30	4.25	2.00
MIP50R12E1ATN	E1A	PIM three phase input rectifier	1200	50	2.30	5.42	4.15
MIP50R12E2TN	E2	PIM three phase input rectifier	1200	50	2.30	5.42	4.15
MIP50R12E2ATN	E2A	PIM three phase input rectifier	1200	50	2.30	5.42	4.15
MIP75R12E2TN	E2	PIM three phase input rectifier	1200	75	2.15	5.60	3.60
MIP75R12E2ATN	E2A	PIM three phase input rectifier	1200	75	2.15	5.60	3.60
MIP100R12E2TN	E2	PIM three phase input rectifier	1200	100	2.25	9.20	5.80

Diodes

Diodes are the cornerstone of modern electronics, and our extensive lineup enables efficiency and flexibility to meet your specific needs. Whether it's a Zener, Schottky, FRED, or a broad range of rectifiers, our diodes deliver exceptional performance and reliability for a range of demanding applications. Choose from smart solutions - including automotive-grade offerings - in the configurations you need to remain competitive in an evolving marketplace.

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Automotive Products

Automotive Zener Diodes

Part Number	Package	Power Rating	Maximum Reverse Leakage Current		Nominal Zener Voltage		Maximum Zener Impedance		
		P _o (W)	I _r (mA)	V _r (V)	V _z (V)	I _z (mA)	Z _{zt} (Ω)	Z _{zk} (Ω)	I _{zk} (mA)
BZT52C2V4L3PHE3~BZT52C39L3PHE3	DFN1006-2L	0.15	0.0001~0.05	1~35	2.4~47	2~5	10~130	80~750	0.5~1
BZX584B3V6HE3~BZX584B36HE3	SOD-523	0.15	0.0001~0.005	1~25.2	3.6~36	2~5	10~90	80~600	0.5~1
BZX584C2V4HE3~BZX584C39HE3	SOD-523	0.15	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1
BZT52B3V6JSHE3~BZT52B47JSHE3	SOD-323	0.20	0.000045~0.0045	1~33	3.6~47	5	10~160	80~564	0.5~1
AZ23C2V4WHE3~AZ23C39WHE3	SOT-323	0.20	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1
BZX84C2V4WHE3~BZX84C39WHE3	SOT-323	0.20	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1
BZT52C2V4SHE3~BZT52C47SHE3	SOD-323	0.30	0.0001~0.05	1~35	2.4~47	2~5	10~130	80~750	0.5~1
BZT52C75SHE3	SOD-323	0.30	0.00005	52.5	75	2	255	500	0.5
AZ23B3V6HE3~AZ23B39HE3	SOT-23	0.30	0.0001~0.005	1~27.3	3.6~39	2~5	10~130	80~600	0.5~1
AZ23C2V4HE3~AZ23C39HE3	SOT-23	0.30	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1
DZ23C2V4HE3~DZ23C47HE3	SOT-23	0.30	0.0001~0.1	0.8~35	2.4~47	5	7~100	80~750	1
BZX84B4V3HE3~BZX84B36HE3	SOT-23	0.35	0.0001~0.003	1~25.2	4.3~36	2~5	10~90	80~600	0.5~1
BZX84C2V4HE3~BZX84C47HE3	SOT-23	0.35	0.0001~0.05	1~32.9	2.4~47	2~5	10~170	80~600	0.5~1
BZT52B3V6HE3~BZT52B47HE3	SOD-123	0.50	0.0001~0.015	0.8~35	3.6~47	2~5	7~100	80~600	1
BZT52C2V4HE3~BZT52C47HE3	SOD-123	0.50	0.0001~0.05	1~35	2.4~47	2~5	10~130	80~750	0.5~1
BZT52C75HE3	SOD-123	0.50	0.00005	52.5	75	2	255	500	0.5
MMSZ5221BHE3~MMSZ5261BHE3	SOD-123	0.50	0.0001~0.1	1~36	2.4~47	2.7~20	5~105	500~2000	0.25
SMA1EZ110D5HE3~SMA1EZ330D5HE3	SMA	1.00	0.0001	83.6~250.2	110~330	0.7~2.3	450~2500	4000~9990	0.25
SMAJ4735AQ~SMAJ4764AQ	SMA	1.00	0.005~0.01	3~76	6.2~100	2.5~41	2~350	700~3000	0.25~1
SMAJ4740AHE3~SMAJ4764AHE3	SMA	1.00	0.0001~0.0005	7.6~76	10~100	2.5~25	7~350	700~3000	0.25
SMAZ10HE3~SMAZ39HE3	SMA	1.00	0.0005~0.001	7.6~29.6	10~39	10~50	4~40	150~450	1
DZLZ6V2Q~DZLZ100Q	SOD-123FL	1.00	0.005~0.01	3~76	6.2~100	2.5~41	2~350	700~3000	0.25~1
SMAJ5921BQ~SMAJ5956BQ	SMA	1.50	0.0005~0.01	5.2~152	6.8~200	1.9~55.1	2.5~1200	200~8000	0.25~1
SMAJ5925BHE3~SMAJ5956BHE3	SMA	1.50	0.001~0.005	8~152	10~200	1.9~37.5	4.5~1200	500~8000	0.25
SMBJ5925BHE3~SMBJ5956BHE3	SMB	1.50	0.001~0.005	8~152	10~200	1.9~37.5	4.5~1200	500~8000	0.25
SMA2EZ10D5HE3~SMA2EZ75D5HE3	SMA	2.00	0.0005~0.003	7.6~56	10~75	6.7~50	3.5~90	700~2000	0.25
SMA2Z6.8AQ~SMA2Z220AQ	SMA	2.00	0.0005~0.01	4~167	6.8~220	2~73.5	2~2000	700~9990	0.25~1
SMB2EZ10D5HE3~SMB2EZ75D5HE3	SMB	2.00	0.0005~0.003	7.6~56	10~75	6.7~50	3.5~90	700~2000	0.25
3SMAJ5925BHE3~3SMAJ5956BHE3	SMA	3.00	0.001~0.005	8~152	10~200	1.9~37.5	4.5~1200	500~8000	0.25
3SMBJ5921BQ~3SMBJ5958BQ	SMB	3.00	0.0005~0.01	4~178	6.8~220	3.3~110	2~1600	700~8500	0.25~1
3SMBJ5925BHE3~3SMBJ5956BHE3	SMB	3.00	0.001~0.005	8~152	10~200	1.9~37.5	4.5~1200	500~8000	0.25
SMBJ5347BHE3~SMBJ5388BHE3	SMB	5.00	0.0005~0.005	7.6~152	10~200	5~125	2~480	75~1850	1

Automotive Products

Automotive Switching Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (us)
BAS16WHE3	SOD-123	0.100	75	1	1.250	1.000	0.150	75	0.006
BAS16WXHE3	SOD-323	0.100	75	1	1.250	1.000	0.150	75	0.006
BAS16WTHE3	SOT-323	0.150	75	2	1.000	1.000	0.050	75	0.004
BAW56WTHE3	SOT-323	0.150	75	2	1.000	2.500	0.050	75	0.004
MMBD4148WTHE3	SOT-323	0.150	75	2	1.000	1.000	0.050	75	0.004
1SS355HE3	SOD-323	0.150	90	0.5	1.200	0.100	0.100	80	0.004
1N4148WHE3	SOD-123	0.150	100	1	0.715	50.000	0.001	75	0.004
1N4148WXHE3	SOD-323	0.150	100	2	1.000	1.000	0.050	75	0.004
1N4148XHE3	SOD-523	0.150	100	2	1.250	1.000	0.150	75	0.004
BAV70WTHE3	SOT-323	0.150	100	1	1.250	2.000	0.150	75	0.004
BAV99WTHE3	SOT-323	0.150	100	2	1.000	2.500	0.050	75	0.004
BAV199WTHE3	SOT-323	0.160	85	4	1.000	0.005	0.010	85	3.000
BAS716HE3	SOD-523	0.200	75	1	1.000	0.005	0.010	75	3.000
BAS416HE3	SOD-323	0.200	100	4	1.000	0.005	0.010	75	3.000
MMBD4148HE3	SOT-23	0.200	100	1	0.855	0.025	0.100	20	0.004
BAS19WTHE3	SOT-323	0.200	100	-	1.000	0.100	0.100	100	0.050
BAV19WSHE3	SOD-323	0.200	120	9	1.250	0.100	0.200	100	0.050
BAS19HE3	SOT-23	0.200	120	9	1.250	0.100	0.225	120	0.050
BAS20WTHE3	SOT-323	0.200	150	-	1.000	0.100	0.100	150	0.050
BAV20WSHE3	SOD-323	0.200	200	9	1.250	0.100	0.200	150	0.050
BAS20HE3	SOT-23	0.200	200	9	1.250	0.100	0.225	200	0.050
BAS21WTHE3	SOT-323	0.200	200	-	1.000	0.100	0.100	200	0.050
BAV21WSHE3	SOD-323	0.200	250	9	1.250	0.100	0.200	200	0.050
BAS21XHE3	SOD-523	0.200	250	2	1.100	0.150	0.100	250	0.050
BAS21HE3	SOT-23	0.200	250	9	1.250	0.100	0.225	250	0.050
BAV116WHE3	SOD-123	0.215	85	4	1.250	0.005	0.150	75	3.000
BAV199HE3	SOT-23	0.215	85	-	1.250	0.005	0.150	75	3.000
BAS16HE3	SOT-23	0.215	100	1	1.250	1.000	0.100	75	0.004
BAV170HE3	SOT-23	0.215	100	4	0.900	0.005	0.001	75	3.000
BAV70HE3	SOT-23	0.215	100	1	0.855	1.000	0.010	75	0.004
BAV99HE3	SOT-23	0.215	100	1	0.855	2.500	0.010	75	0.004
BAV23AHE3	SOT-23	0.225	200	9	1.250	0.100	0.200	250	0.050
BAV23CHE3	SOT-23	0.225	200	9	1.250	0.100	0.200	250	0.050
BAV23SHE3	SOT-23	0.225	200	9	1.250	0.100	0.200	250	0.050
BAV23SWTHE3	SOT-323	0.225	250	1.7	1.000	0.100	0.100	250	0.050
1N4448WXHE3	SOD-323	0.250	75	2	1.000	2.500	0.100	75	0.004
BAW56HE3	SOT-23	0.250	75	1	0.855	2.500	0.010	75	0.004
MMBD4448HSDWHE3	SOT-363	0.250	80	4	1.000	0.100	0.050	70	0.004
MMBD4448HTWHE3	SOT-363	0.250	80	4	1.000	0.100	0.050	70	0.004
1N4448WHE3	SOD-123	0.250	100	2	1.000	0.025	0.100	20	0.004
BAS316HE3	SOD-323	0.250	100	4	0.715	1.000	0.001	75	0.004
BAS516HE3	SOD-523	0.250	100	0.5	0.715	0.030	0.001	25	0.004
BAV19WHE3	SOD-123	0.250	120	1	1.000	0.100	0.100	100	0.050
BAV20WHE3	SOD-123	0.250	200	1	1.000	0.100	0.100	150	0.050
BAV21WHE3	SOD-123	0.250	250	1	1.000	0.100	0.100	200	0.050

Automotive Products

Automotive Small Signal Schottky Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	
SD101CWHE3	SOD-123	0.015	40	2.00	0.39	0.20	0.001	30	No
SD101CWSHE3	SOD-323	0.015	40	2.00	0.39	0.20	0.001	30	No
SD101BWHE3	SOD-123	0.015	50	2.00	0.40	0.20	0.001	40	No
SD101BWSHE3	SOD-323	0.015	50	2.00	0.40	0.20	0.001	40	No
SD101AWHE3	SOD-123	0.015	60	2.00	0.41	0.20	0.001	50	No
SD101AWSHE3	SOD-323	0.015	60	2.00	0.41	0.20	0.001	50	No
RB751V-40HE3	SOD-323	0.030	40	0.20	0.37	0.50	0.001	30	No
RB751S-40HE3	SOD-523	0.030	40	1.00	0.37	0.50	0.001	30	No
BAS70-04HE3	SOT-23	0.070	70	0.10	1.00	0.01	0.015	50	No
BAS70-05HE3	SOT-23	0.070	70	0.10	1.00	0.01	0.015	50	No
BAS70-06HE3	SOT-23	0.070	70	0.10	1.00	0.01	0.015	50	No
BAS70HE3	SOT-23	0.070	70	0.10	1.00	0.01	0.015	50	No
BAS70WT-04HE3	SOT-323	0.070	70	0.10	1.00	0.20	0.015	50	No
BAS70WT-05HE3	SOT-323	0.070	70	0.10	1.00	0.20	0.015	50	No
BAS70WT-06HE3	SOT-323	0.070	70	0.10	1.00	0.20	0.015	50	No
BAS70WTHE3	SOT-323	0.070	70	0.10	1.00	0.20	0.015	50	No
BAS40WT-04HE3	SOT-323	0.120	40	0.60	1.00	0.20	0.040	30	No
BAS40WT-05HE3	SOT-323	0.120	40	0.60	1.00	0.20	0.040	30	No
BAS40WT-06HE3	SOT-323	0.120	40	0.60	1.00	0.20	0.040	30	No
BAS40WTHE3	SOT-323	0.120	40	0.60	1.00	0.20	0.040	30	No
BAT46WHE3	SOD-123	0.150	100	0.75	1.00	2.00	0.250	75	No
BAT46WSHE3	SOD-323	0.150	100	0.75	1.00	0.50	0.250	10	No
BAT54WHE3	SOD-123	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT54WSHE3	SOD-323	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT54WXHE3	SOD-523	0.200	30	3.00	1.00	2.00	0.100	25	No
RB520S-30HE3	SOD-523	0.200	30	1.00	0.60	1.00	0.200	10	No
RB521S-30HE3	SOD-523	0.200	30	1.00	0.50	30.00	0.200	10	No
BAT54AHE3	SOT-23	0.200	30	0.60	0.40	2.00	0.010	25	No
BAT54CHE3	SOT-23	0.200	30	0.60	0.40	2.00	0.010	25	No
BAT54HE3	SOT-23	0.200	30	0.60	0.40	2.00	0.010	25	No
BAT54SHE3	SOT-23	0.200	30	0.60	0.40	2.00	0.010	25	No
BAT54AWTHE3	SOT-323	0.200	30	0.60	0.80	2.00	0.100	25	No
BAT54CWTHE3	SOT-323	0.200	30	0.60	0.80	2.00	0.100	25	No
BAT54SWTHE3	SOT-323	0.200	30	0.60	0.80	2.00	0.100	25	No
BAT54WTHE3	SOT-323	0.200	30	0.60	0.80	2.00	0.100	25	No
BAS40WXHE3	SOD-323	0.200	40	0.60	1.00	0.50	0.040	30	No
RB521S-40HE3	SOD-523	0.200	40	1.00	0.59	90.00	0.200	40	No
BAS40-04HE3	SOT-23	0.200	40	0.60	1.00	0.01	0.040	30	No
BAS40-05HE3	SOT-23	0.200	40	0.60	1.00	0.01	0.040	30	No
BAS40-06HE3	SOT-23	0.200	40	0.60	1.00	0.01	0.040	30	No
BAS40HE3	SOT-23	0.200	40	0.60	1.00	0.01	0.040	30	No
BAT64-04HE3	SOT-23	0.225	40	0.80	0.43	2.00	0.010	25	No
BAT64-05HE3	SOT-23	0.225	40	0.80	0.43	2.00	0.010	25	No
BAT64-06HE3	SOT-23	0.225	40	0.80	0.43	2.00	0.010	25	No

Automotive Products

Automotive Small Signal Schottky Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	
RB520S-40HE3	SOD-523	0.250	40	1.00	0.55	1.00	0.100	10	No
SD103CWHE3	SOD-123	0.350	20	1.50	0.37	5.00	0.020	10	No
SD103CWSHE3	SOD-323	0.350	20	1.50	0.37	5.00	0.020	10	No
SD103BWHE3	SOD-123	0.350	30	1.50	0.37	5.00	0.020	20	No
SD103BWSHE3	SOD-323	0.350	30	1.50	0.37	5.00	0.020	20	No
SD103AWHE3	SOD-123	0.350	40	1.50	0.37	5.00	0.020	30	No
SD103AWSHE3	SOD-323	0.350	40	1.50	0.37	5.00	0.020	30	No
B0530WSHE3	SOD-323	0.500	30	5.00	0.55	300.00	0.500	30	No
RB551V-30HE3	SOD-323	0.500	30	2.00	0.47	100.00	0.500	20	No
B0540WHE3	SOD-123	0.500	40	5.50	0.55	80.00	0.500	40	No
B0540WSHE3	SOD-323	0.500	40	5.00	0.55	80.00	0.500	40	No
B5817WHE3	SOD-123	1.000	20	10.00	0.45	200.00	1.000	20	No
B5817WSHE3	SOD-323	1.000	20	10.00	0.45	200.00	1.000	20	No
B5818WHE3	SOD-123	1.000	30	10.00	0.55	40.00	1.000	30	No
B5818WSHE3	SOD-323	1.000	30	10.00	0.55	40.00	1.000	30	No
B5819WHE3	SOD-123	1.000	40	10.00	0.60	40.00	1.000	40	No
B5819WSHE3	SOD-323	1.000	40	10.00	0.60	40.00	1.000	40	No

Automotive Products

Automotive Standard Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
GS1AHE3-L	SMA	1	50	40	1.00	5	1	50	2
GS1DHE3-L	SMA	1	200	40	1.00	5	1	200	2
GS1GHE3-L	SMA	1	400	40	1.00	5	1	400	2
GS1JHE3-L	SMA	1	600	40	1.00	5	1	600	2
GS1MHE3-L	SMA	1	1000	40	1.00	5	1	1000	2
SM4002PLHE3	SOD-123FL	1	100	30	1.10	1	1	100	3
SM4003PLHE3	SOD-123FL	1	200	30	1.10	1	1	200	3
SM4004PLHE3	SOD-123FL	1	400	30	1.10	1	1	400	3
SM4007PLHE3	SOD-123FL	1	1000	30	1.10	1	1	1000	3
GS2DHE3-L	SMA	2	200	50	1.10	5	2	200	4
GS2GHE3-L	SMA	2	400	50	1.10	5	2	400	4
GS2JHE3-L	SMA	2	600	50	1.10	5	2	600	4
GS2MHE3-L	SMA	2	1000	50	1.10	5	2	1000	4
S2GHE3-L	SMB	2	400	50	1.15	5	2	400	-
S2JHE3-L	SMB	2	600	50	1.15	5	2	600	-
S2MHE3-L	SMB	2	1000	50	1.15	5	2	1000	-
S3GBHE3	SMB	3	400	100	1.15	10	3	400	-
S3JBHE3	SMB	3	600	100	1.15	10	3	600	-
S3MBHE3	SMB	3	1000	100	1.15	10	3	1000	-
S3BHE3	SMC	3	100	100	1.20	10	3	100	-
S3GHE3	SMC	3	400	100	1.20	10	3	400	-
S3JHE3	SMC	3	600	100	1.20	10	3	600	-
S3MHE3	SMC	3	1000	100	1.20	10	3	1000	-
S5GLHE3	SMC	5	400	100	1.15	5	5	400	-
S5JLHE3	SMC	5	600	100	1.15	5	5	600	-
S5MLHE3	SMC	5	1000	100	1.15	5	5	1000	-
S8GLHE3	SMC	8	400	200	1.05	5	8	400	-
S8JLHE3	SMC	8	600	200	1.05	5	8	600	-
S8MLHE3	SMC	8	1000	200	1.05	5	8	1000	-
S10DLHE3	SMC	10	200	200	1.00	5	10	200	-

Automotive Products

Automotive Super Fast Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
ES1DHE3-L	SMA	1	200	30	0.950	5	1	200	0.035
ES1GHE3-L	SMA	1	400	30	1.300	5	1	400	0.035
ES1JHE3-L	SMA	1	600	30	1.700	5	1	600	0.035
SFM14PLHE3	SOD-123FL	1	200	30	1.000	5	1	200	0.035
SFM16PLHE3	SOD-123FL	1	400	30	1.300	5	1	400	0.035
SFM18PLHE3	SOD-123FL	1	600	30	1.700	5	1	600	0.035
UG1DHE3	SMA	1	200	30	0.920	2	1	200	0.025
UG1DPLHE3	SOD-123FL	1	200	30	0.920	2	1	200	0.025
US1MHE3	SMA	1	1000	30	1.700	5	1	1000	0.075
ER2DHE3-L	SMB	2	200	50	0.950	5	2	200	0.035
ER2GHE3-L	SMB	2	400	50	1.300	5	2	400	0.035
ER2JHE3-L	SMB	2	600	50	1.700	5	2	600	0.035
ES2DHE3-L	SMA	2	200	50	0.950	5	2	200	0.035
ES2GHE3-L	SMA	2	400	50	1.300	5	2	400	0.035
ES2JHE3-L	SMA	2	600	50	1.700	5	2	600	0.035
MURS2DHE3	SMB	2	200	50	0.920	2	2	200	0.025
UG2DAHE3	SMA	2	200	50	0.920	2	2	200	0.025
US2MAHE3	SMA	2	1000	50	1.700	5	2	1000	0.075
ER3DBHE3	SMB	3	200	100	0.950	5	3	200	0.035
ER3GBHE3	SMB	3	400	100	1.300	5	3	400	0.035
ER3JBHE3	SMB	3	600	100	1.700	5	3	600	0.035
ER3DHE3	SMC	3	200	100	0.950	5	3	200	0.035
ER3GHE3	SMC	3	400	100	1.300	5	3	400	0.035
ER3JHE3	SMC	3	600	100	1.700	5	3	600	0.035

Automotive Products

Automotive Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	
SM5817PLHE3	SOD-123FL	1	20	30	0.45	50	1	20	No
SM5818PLHE3	SOD-123FL	1	30	30	0.53	50	1	30	No
SMS819PLHE3	SOD-123FL	1	40	30	0.53	50	1	40	No
SMD110PLHE3	SOD-123FL	1	100	30	0.85	5	1	100	No
SMD110PLQ	SOD-123FL	1	100	40	0.77	1	1	100	No
SMD120PLQ	SOD-123FL	1	200	40	0.9	1	1	200	No
SMD1150PLHE3	SOD-123FL	1	150	30	0.85	10	1	150	No
SMD1200PLHE3	SOD-123FL	1	200	30	0.95	10	1	200	No
SMD14PLQ	SOD-123FL	1	40	40	0.5	100	1	40	No
SMD16PLQ	SOD-123FL	1	60	40	0.7	50	1	60	No
SMD16PLHE3	SOD-123FL	1	60	30	0.7	100	1	60	No
SMD18PLHE3	SOD-123FL	1	80	30	0.85	100	1	80	No
SS110Q-L	SMA	1	100	40	0.77	1	1	100	No
SS120Q-L	SMA	1	200	40	0.9	1	1	200	No
SS1150HE3-L	SMA	1	150	30	0.9	10	1	150	No
SS1200HE3-L	SMA	1	200	30	0.92	10	1	200	No
SS12HE3-L	SMA	1	20	50	0.5	100	1	20	No
SS13HE3-L	SMA	1	30	50	0.5	100	1	30	No
SS14HE3-L	SMA	1	40	50	0.5	100	1	40	No
SS16HE3-L	SMA	1	60	50	0.7	100	1	60	No
SS110HE3-L	SMA	1	100	50	0.85	50	1	100	No
SS14Q-L	SMA	1	40	40	0.5	100	1	40	No
SS16Q-L	SMA	1	60	40	0.7	50	1	60	No
SK210Q-L	SMB	2	100	75	0.8	5	2	100	No
SK220Q-L	SMB	2	200	75	0.9	5	2	200	No
SK220HE3-L	SMB	2	200	75	0.9	5	2	200	No
SK23HE3-L	SMB	2	30	50	0.5	100	2	30	No
SK24HE3-L	SMB	2	40	50	0.5	100	2	40	No
SK26HE3-L	SMB	2	60	50	0.7	100	2	60	No
SK210HE3-L	SMB	2	100	50	0.85	50	2	100	No
SK24Q-L	SMB	2	40	75	0.55	100	2	40	No
SK26Q-L	SMB	2	60	75	0.7	100	2	60	No
SMD210PLQ	SOD-123FL	2	100	50	0.8	5	2	100	No
SMD220PLQ	SOD-123FL	2	200	50	0.9	5	2	200	No
SMD220PLHE3	SOD-123FL	2	200	50	0.9	5	2	200	No
SMD22PLHE3	SOD-123FL	2	20	50	0.55	100	2	20	No
SMD24PLHE3	SOD-123FL	2	40	50	0.55	100	2	40	No
SMD26PLHE3	SOD-123FL	2	60	50	0.7	100	2	60	No
SMD28PLHE3	SOD-123FL	2	80	50	0.85	100	2	80	No
SMD210PLHE3	SOD-123FL	2	100	50	0.85	100	2	100	No
SMD24PLQ	SOD-123FL	2	40	50	0.55	100	2	40	No
SMD26PLQ	SOD-123FL	2	60	50	0.7	100	2	60	No
SS210Q-L	SMA	2	100	75	0.8	5	2	100	No
SS220Q-L	SMA	2	200	75	0.9	5	2	200	No

Automotive Products

Automotive Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I _F (A)	V _{RWM} (V)	I _{FSM} (A)	V _F (V)	I _R (uA)	I _{FM} (A)	V _R (V)	
SS220HE3-L	SMA	2	200	75	0.9	5	2	200	No
SS24HE3-L	SMA	2	40	50	0.55	100	2	40	No
SS26HE3-L	SMA	2	60	50	0.7	100	2	60	No
SS210HE3-L	SMA	2	100	50	0.85	100	2	100	No
SS24Q-L	SMA	2	40	75	0.55	100	2	40	No
SS26Q-L	SMA	2	60	75	0.7	100	2	60	No
SK310AQ-L	SMA	3	100	80	0.8	5	3	100	No
SK320AQ-L	SMA	3	200	80	0.9	5	3	100	No
SK310BQ-L	SMB	3	100	80	0.8	5	3	100	No
SK320BQ-L	SMB	3	200	80	0.9	5	3	200	No
SK310Q	SMC	3	100	80	0.8	5	3	100	No
SK320Q	SMC	3	200	80	0.9	5	3	200	No
SK3150BHE3-L	SMB	3	150	80	0.86	10	3	150	No
SK3200BHE3-L	SMB	3	200	100	0.86	2	3	200	No
SK3200HE3	SMC	3	200	80	0.9	1	3	200	No
SK34BHE3-L	SMB	3	40	100	0.5	100	3	40	No
SK36BHE3-L	SMB	3	60	100	0.75	100	3	60	No
SK310BHE3-L	SMB	3	100	100	0.85	100	3	100	No
SK34HE3	SMC	3	40	100	0.5	100	3	40	No
SK36HE3	SMC	3	60	100	0.75	100	3	60	No
SK310HE3	SMC	3	100	100	0.85	100	3	100	No
SK34AHE3-L	SMA	3	40	80	0.5	100	3	40	No
SK36AHE3-L	SMA	3	60	80	0.7	100	3	60	No
SK310AHE3-L	SMA	3	100	80	0.8	1	3	100	No
SK3150AHE3-L	SMA	3	150	70	0.9	10	3	150	No
SK3200AHE3-L	SMA	3	200	70	0.9	10	3	200	No
SK34AQ-L	SMA	3	40	80	0.5	100	3	40	No
SK36AQ-L	SMA	3	60	80	0.7	100	3	60	No
SK34BQ-L	SMB	3	40	80	0.5	100	3	40	No
SK36BQ-L	SMB	3	60	80	0.7	100	3	40	No
SK34Q	SMC	3	40	80	0.5	100	3	40	No
SK36Q	SMC	3	60	80	0.7	100	3	60	No
SMD310HE1Q	SOD-123HE1	3	100	80	0.8	5	3	100	No
SMD310PLQ	SOD-123FL	3	100	80	0.8	5	3	100	No
SMD320PLQ	SOD-123FL	3	200	80	0.9	5	3	200	No
SMD34PLQ	SOD-123FL	3	40	80	0.5	100	3	40	No
SMD36PLQ	SOD-123FL	3	60	80	0.7	100	3	60	No
SMD36HE1Q	SOD-123HE1	3	60	80	0.7	100	3	60	No
MBR5U100HHE3	TO-277	5	100	240	0.8	10	5	100	No
MBR5U100HQ	TO-277	5	100	200	0.8	10	5	100	No
MBR5U60SHE3	TO-277	5	60	200	0.65	100	5	60	No
MBR5U60SQ	TO-277	5	60	200	0.64	100	5	60	No
SK510AQ-L	SMA	5	100	120	0.8	5	5	100	No
SK520AQ-L	SMA	5	200	120	0.9	5	5	200	No

Automotive Products

Automotive Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I _F (A)	V _{RWM} (V)	I _{FSM} (A)	V _F (V)	I _R (uA)	I _{FM} (A)	V _R (V)	
SK510BQ-L	SMB	5	100	120	0.8	5	5	100	No
SK520BQ-L	SMB	5	200	120	0.9	5	5	200	No
SK510LQ	SMC	5	100	120	0.8	5	5	100	No
SK520LQ	SMC	5	200	120	0.9	5	5	200	No
SK5150LHE3	SMC	5	150	150	0.87	10	5	150	No
SK5200LHE3	SMC	5	200	150	0.9	10	5	200	No
SK5200AHE3-L	SMA	5	200	120	0.9	1	5	200	No
SK520BHE3-L	SMB	5	200	120	0.9	10	5	200	No
SK54AHE3-L	SMA	5	40	100	0.55	100	5	40	No
SK56AHE3-L	SMA	5	60	100	0.75	100	5	60	No
SK510AHE3-L	SMA	5	100	100	0.85	100	5	100	No
SK54BHE3-L	SMB	5	40	100	0.55	100	5	40	No
SK56BHE3-L	SMB	5	60	100	0.75	100	5	60	No
SK510BHE3-L	SMB	5	100	100	0.85	50	5	100	No
SK53LHE3	SMC	5	30	100	0.55	100	5	30	No
SK54LHE3	SMC	5	40	100	0.55	100	5	40	No
SK56LHE3	SMC	5	60	100	0.75	100	5	60	No
SK510LHE3	SMC	5	100	100	0.85	100	5	100	No
SK54AQ-L	SMA	5	40	120	0.6	100	5	40	No
SK56AQ-L	SMA	5	60	120	0.7	100	5	60	No
SK54BQ-L	SMB	5	40	120	0.6	100	5	40	No
SK56BQ-L	SMB	5	60	120	0.7	100	5	60	No
SK54LQ	SMC	5	40	120	0.6	100	5	40	No
SK56LQ	SMC	5	60	120	0.7	100	5	60	No
SK810LQ	SMC	8	100	150	0.85	5	8	100	No
SK820LQ	SMC	8	200	150	0.9	5	8	200	No
SK820LHE3	SMC	8	200	150	0.9	10	8	200	No
SK84LHE3	SMC	8	40	200	0.65	100	8	40	No
SK86LHE3	SMC	8	60	200	0.65	100	8	60	No
SK810LHE3	SMC	8	100	200	0.8	100	8	100	No
SK84LQ	SMC	8	40	150	0.55	100	8	40	No
SK86LQ	SMC	8	60	150	0.7	100	8	60	No
MBR10U100HHE3	TO-277	10	100	240	0.85	10	10	100	No
MBR10U100HQ	TO-277	10	100	200	0.85	10	10	100	No
MBR10U200HE3	TO-277	10	200	200	0.95	100	10	200	No
MBR10U200Q	TO-277	10	200	200	0.9	1	10	200	No
MBRB10100CTQ	D2-PAK	10	100	150	0.8	10	5	100	No
MBRB10200CTQ	D2-PAK	10	200	150	0.9	10	5	200	No
MBRB1060CTQ	D2-PAK	10	60	150	0.72	100	5	60	No
MBRD10100CTQ	DPAK	10	100	120	0.8	10	5	100	No
MBRD10200CTQ	DPAK	10	200	120	0.9	10	5	200	No
MBRD1045CTQ	DPAK	10	45	120	0.58	100	5	45	No
MBRD1060CTQ	DPAK	10	60	120	0.72	100	5	60	No
MBR15U100Q	TO-277	15	100	300	0.88	10	15	100	No

Automotive Products

Automotive Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	
MBR15U45HE3	TO-277	15	45	300	0.54	100	15	45	No
MBR15U45Q	TO-277	15	45	300	0.6	100	15	45	No
MBR15U60HE3	TO-277	15	60	300	0.68	100	15	60	No
MBR15U60Q	TO-277	15	60	300	0.72	100	15	60	No
MBRB20100CTQ	D2-PAK	20	100	200	0.82	10	10	100	No
MBRB20200CTQ	D2-PAK	20	200	200	0.9	10	10	200	No
MBRB2060CTQ	D2-PAK	20	60	200	0.72	100	10	60	No
MBRB30100CTQ	D2-PAK	30	100	250	0.82	10	15	100	No
MBRB30200CTQ	D2-PAK	30	200	250	0.9	10	15	200	No
MBRB3045CTQ	D2-PAK	30	45	200	0.65	100	15	45	No
MBRB3060CTQ	D2-PAK	30	60	250	0.72	100	15	60	No

Zener Diodes

Zener Diodes

Part Number	Package	Power Rating	Maximum Reverse Leakage Current		Nominal Zener Voltage		Maximum Zener Impedance		
		P_o (W)	I_R (mA)	V_R (V)	V_z (V)	I_{z1} (mA)	Z_{z1} (Ω)	Z_{zK} (Ω)	I_{zK} (mA)
BZX584B2V4~BZX584B39	SOD-523	0.15	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1
BZX584C2V4~BZX584C39	SOD-523	0.15	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1
BZT52B3V0JS~BZT52B75JS	SOD-323	0.20	0.000045~0.009	1~56	3~75	2.5~5	10~250	80~1000	0.5~1
BZT52C2V0S~BZT52C56S	SOD-323	0.20	0.00005~0.09	1~39.2	2~56	2~5	10~200	80~750	0.5~1
MMXZ5223B~MMXZ5259B	SOD-323	0.20	0.0001~0.075	1~30	2.7~39	3.2~20	5~80	500~2000	0.25
MMXZ5229C~MMXZ5262C	SOD-323	0.20	0.0001~0.005	1~39	4.3~51	2.5~20	5~125	500~2000	0.25
BZT52B2V4LS~BZT52B75LS	SOD-323FL	0.20	0.0001~0.12	1~56	2.53~75	5	30~300	60~1700	0.25~1
BZT52C2V4LS~BZT52C39LS	SOD-323FL	0.20	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1
BZT52C(B)2V4T~BZT52C(B)39T	SOD-523	0.20	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1
AZ23C2V7W~AZ23C39W	SOT-323	0.20	0.0001	0.8~29	2.7~39	5	7~95	50~500	1
BZX84C2V4W~BZX84C39W	SOT-323	0.20	0.0001~0.05	1~27.3	2.4~39	5	10~130	80~600	0.5~1
MMBZ5221BW~MMBZ5259BW	SOT-323	0.20	0.0001~0.1	1~30	2.4~39	3.2~20	5~80	500~2000	0.25
BZT52C2V4L3P~BZT52C39L3P	DFN1006-2L	0.25	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1
BZX984B4V7	SOD-923	0.25	0.003	2	4.7	5	80	500	1
AZ23C2V7~AZ23C51	SOT-23	0.30	0.0001	0.8~38	2.7~51	5	7~100	50~750	1
DZ23C2V4~DZ23C75	SOT-23	0.30	0.0001~0.1	0.8~56	2.4~75	5	7~250	80~1000	1
BZT52B5V1LS	SOD-323FL	0.35	0.002	1	5.1	5	80	500	1
BZX84C(B)2V4~BZX84C(B)75	SOT-23	0.35	0.00005~0.05	1~52.5	2.4~75	2~5	10~255	80~750	0.5~1
MMBZ5221B~MMBZ5259B	SOT-23	0.35	0.0001~0.1	1~30	2.4~39	3.2~20	5~80	500~2000	0.25
MMBZ5229C~MMBZ5262C	SOT-23	0.35	0.0001~0.005	1~39	4.3~51	2.5~20	5~125	500~2000	0.25
BZT52B3V0BS~BZT52B51BS	SOD-323	0.40	0.000045~0.009	1~35.7	3~51	2~5	10~169	80~564	0.5~1
BZT52B2V4~BZT52B75	SOD-123	0.50	0.0001~0.1	0.8~56	2.4~75	2~5	7~250	80~1000	1
BZT52C2V0~BZT52C75	SOD-123	0.50	0.0001~0.09	1~56	2~75	2~5	10~250	80~1000	0.5~1
MMSZ4678~MMSZ4716	SOD-123	0.50	0.00001~0.01	1~29.6	1.8~39	0.05	-	-	-
MMSZ5221~MMSZ5267	SOD-123	0.50	0.0001~0.1	1~56	2.4~75	1.7~20	5~270	500~2000	0.25
1EZ110D5~1EZ330D5	DO-41	1.00	0.0001	83.6~250.2	110~330	0.7~2.3	450~2500	4000~9990	0.25
1EZ5.6D5~1EZ39D5	DO-41	1.00	0.005~0.01	3~29.7	6.2~39	6.4~40.3	2~60	700~1000	0.25~1
1N4736AP~1N4764AP	DO-41	1.00	0.005~0.01	4~76	6.8~100	2.5~37	3.5~350	700~3000	0.25~1
SMAJ4733A~SMAJ4764A	SMA	1.00	0.005~0.01	1~76	5.1~100	2.5~49	2~350	550~3000	0.25~1
SMAZ5V1~SMAZ39	SMA	1.00	0.0005~0.005	1~29.6	5.1~39	10~100	2~40	150~500	1~2
DFLZ110	SOD-123FL	1.00	0.0001	84	110	2.3	450	4000	0.25
DFLZ180~DFLZ200	SOD-123FL	1.00	0.001	130~150	180~200	5	180~200	-	-
DFLZ5V1~DFLZ100	SOD-123FL	1.00	0.001~0.01	1~76	5.1~100	2.5~100	2~350	-	-
1N5918BP~1N5956BP	DO-41	1.50	0.001~0.005	4~152	6.2~200	1.9~60.5	2~1200	200~8000	0.25~1
SMAJ5918B~SMAJ5956B	SMA	1.50	0.0005~0.005	2~152	5.1~200	1.9~73.5	2~1200	200~8000	0.25~1
SMBJ5918B~SMBJ5956B	SMB	1.50	0.001~0.005	2~152	5.1~200	1.9~73.5	2~1200	200~8000	0.25~1
2EZ5.1D5~2EZ75D5	DO-41	2.00	0.0005~0.005	1~56	5.1~75	6.7~98	1.5~90	500~2000	0.25~1
3EZ5.1D5~3EZ75D5	DO-15	3.00	0.0005~0.005	1~56	5.1~75	10~147	1.5~85	550~2000	0.25~1
1N5918B3P~1N5956B3P	DO-41	3.00	0.001~0.005	2~152	5.1~200	1.9~73.5	2~1200	200~8000	0.25~1
3SMAJ5918B~3SMAJ5956B	SMA	3.00	0.001~0.005	2~152	5.1~200	1.9~73.5	4~1200	350~8000	0.25~1
3SMBJ5918B~3SMBJ5956B	SMB	3.00	0.001~0.005	2~152	5.1~200	1.9~73.5	4~1200	350~8000	0.25~1
1N5334B	DO-15	5.00	0.15	1	3.6	350	2.5	500	1
1N5338B~1N5388B	DO-15	5.00	0.0005~0.01	1~152	5.1~200	5~240	1~480	75~1850	1
SMBJ5338B~SMBJ5388B	SMB	5.00	0.0005~0.01	1~152	5.1~200	5~240	1~480	75~1850	1

Switching Diodes

Switching Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_r (uA)	I_{FM} (A)	V_R (V)	T_{RR} (us)
BAS16T	SOT-523	0.075	85	4	1.000	2.000	0.050	75	0.004
BAV70T	SOT-523	0.075	85	4	1.000	2.000	0.050	75	0.004
BAV99T	SOT-523	0.075	85	4	1.000	2.000	0.050	75	0.004
BAW56T	SOT-523	0.075	85	4	1.000	2.000	0.050	75	0.004
BAS16W	SOD-123	0.100	75	1	1.250	1.000	0.150	75	0.006
BAS16WX	SOD-323	0.100	75	1	1.250	1.000	0.150	75	0.006
DAN202	SOT-23	0.100	80	0.3	1.200	0.100	0.100	70	0.004
DAP202	SOT-23	0.100	80	4	1.200	0.100	0.100	70	0.004
DAN202U	SOT-323	0.100	80	4	1.200	0.100	0.100	70	0.004
DAP202U	SOT-323	0.100	80	0.3	1.200	0.100	0.100	70	0.004
DAN222	SOT-523	0.100	80	0.3	1.200	0.100	0.100	70	0.004
1SS355	SOD-323	0.100	90	0.5	1.200	0.100	0.100	80	0.004
1SS400	SOD-523	0.100	90	0.5	1.200	0.100	0.100	80	0.004
BAS16WXH	SOD-323	0.100	100	1	1.250	1.000	0.150	75	0.006
BAS16WT	SOT-323	0.150	75	2	1.000	1.000	0.050	75	0.004
BAV70WT	SOT-323	0.150	75	2	1.000	2.500	0.050	75	0.004
BAW56WT	SOT-323	0.150	75	2	1.000	2.500	0.050	75	0.004
MMBD4148WT	SOT-323	0.150	75	2	1.000	1.000	0.050	75	0.004
BAS16TW	SOT-363	0.150	75	-	1.000	1.000	0.050	75	0.004
BAV756DW	SOT-363	0.150	75	2	1.250	2.500	0.150	75	0.004
BAV99BRW	SOT-363	0.150	75	1	0.855	2.500	0.010	75	0.004
BAV99DW	SOT-363	0.150	75	2	0.855	2.500	0.010	75	0.004
BAW567DW	SOT-363	0.150	75	2	1.000	2.500	0.050	75	0.004
BAW56DW	SOT-363	0.150	75	2	1.000	2.500	0.050	75	0.004
MMBD4148TW	SOT-363	0.150	75	-	1.000	1.000	0.050	75	0.004
1SS355L	SOD-323FL	0.150	90	0.5	1.200	0.100	0.100	80	0.004
1N4148WL2	DFN1006-2L	0.150	100	4	1.000	5.000	0.050	75	0.004
1N4148W	SOD-123	0.150	100	1	0.715	50.000	0.001	75	0.004
1N4148WX	SOD-323	0.150	100	2	1.000	1.000	0.050	75	0.004
1N4148WXL	SOD-323FL	0.150	100	2	1.000	1.000	0.050	75	0.004
1N4148X	SOD-523	0.150	100	2	1.250	1.000	0.150	75	0.004
BAV99WT	SOT-323	0.150	100	2	1.000	2.500	0.050	75	0.004
BAV199WT	SOT-323	0.160	85	4	1.000	0.005	0.010	85	3.000
BAV199DW	SOT-363	0.160	85	-	1.000	0.005	0.010	75	3.000
BAV74	SOT-23	0.200	50	-	1.000	0.100	0.100	50	0.004
MMSD914	SOD-123	0.200	75	2	1.000	2.500	0.010	75	0.004
BAS16X	SOD-523	0.200	75	0.5	1.000	1.000	0.050	75	0.006
BAS716	SOD-523	0.200	75	1	1.000	0.005	0.010	75	3.000
BAS116	SOT-23	0.200	75	-	1.000	0.005	0.010	75	3.000
BAS16V	SOT-563	0.200	75	-	1.000	1.000	0.050	75	0.004
BAV70M	SOT-723	0.200	75	2	1.250	2.500	0.150	75	0.004
MMDL914	SOD-323	0.200	100	0.5	1.000	0.025	0.010	20	0.004
MMBD4148	SOT-23	0.200	100	1	0.855	0.025	0.010	20	0.004
MMBD4148CA	SOT-23	0.200	100	1	1.000	0.025	0.050	20	0.004

Switching Diodes

Switching Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_r (uA)	I_{FM} (A)	V_R (V)	T_{RR} (us)
MMBD4148CC	SOT-23	0.200	100	1	1.000	0.025	0.050	20	0.004
MMBD4148SE	SOT-23	0.200	100	1	1.000	0.025	0.050	20	0.004
MMBD7000	SOT-23	0.200	100	0.5	0.820	1.000	0.010	50	0.004
MMBD914	SOT-23	0.200	100	1	0.855	0.025	0.010	20	0.004
BAS19WT	SOT-323	0.200	100	-	1.000	0.100	0.100	100	0.050
BAV19WS	SOD-323	0.200	120	9	1.250	0.100	0.200	100	0.050
BAS19	SOT-23	0.200	120	9	1.250	0.100	0.225	120	0.050
BAS20WT	SOT-323	0.200	150	-	1.000	0.100	0.100	150	0.050
BAV20WS	SOD-323	0.200	200	9	1.250	0.100	0.200	150	0.050
BAS20	SOT-23	0.200	200	9	1.250	0.100	0.225	200	0.050
BAS21WT	SOT-323	0.200	200	-	1.000	0.100	0.100	200	0.050
BAS21WS	SOD-323	0.200	250	0.625	1.250	0.100	0.200	200	0.050
BAV21WS	SOD-323	0.200	250	9	1.250	0.100	0.200	200	0.050
BAS21X	SOD-523	0.200	250	9	1.250	0.100	0.200	200	0.050
BAS21	SOT-23	0.200	250	9	1.250	0.100	0.225	250	0.050
BAS21A	SOT-23	0.200	250	2.5	1.100	1.000	0.100	200	0.050
BAS21C	SOT-23	0.200	250	2.5	1.100	1.000	0.100	200	0.050
BAS21S	SOT-23	0.200	250	2.5	1.100	1.000	0.100	200	0.050
BAS21T	SOT-523	0.200	250	9	1.000	0.100	0.100	250	0.050
BAV199	SOT-23	0.215	70	-	1.250	0.005	0.150	75	3.000
BAS116L2B	DFN1006-2L	0.215	85	4	1.250	0.005	0.150	75	3.000
BAS28	SOT-143	0.215	85	4	1.000	1.000	0.050	75	0.004
BAV170	SOT-23	0.215	85	4	0.900	0.005	0.001	75	3.000
BAS16	SOT-23	0.215	100	1	1.250	1.000	0.100	75	0.004
BAV70	SOT-23	0.215	100	1	0.855	1.000	0.010	75	0.004
BAV99	SOT-23	0.215	100	1	0.855	2.500	0.010	75	0.004
BAV116W	SOD-123	0.215	130	1	1.250	0.005	0.150	75	3.000
BAV316	SOD-323	0.215	130	2	1.100	0.005	0.150	75	3.000
BAV23A	SOT-23	0.225	200	9	1.250	0.100	0.200	250	0.050
BAV23C	SOT-23	0.225	200	9	1.250	0.100	0.200	250	0.050
BAV23S	SOT-23	0.225	200	9	1.250	0.100	0.200	250	0.050
BAV23	SOT-143	0.225	250	3	1.000	0.100	0.100	400	0.050
BAV3004W	SOD-123	0.225	300	4	1.000	0.100	0.100	240	0.050
BAV3004X	SOD-523	0.225	300	4	1.250	0.100	0.200	240	0.050
MMBD2004S	SOT-23	0.225	300	1	1.000	0.100	0.100	240	0.050
MMBD2004SWT	SOT-323	0.225	300	1	1.000	0.100	0.100	240	0.050
BAV3004WS	SOD-323	0.225	350	4	1.250	0.100	0.200	240	0.050
MMBD3004S	SOT-23	0.225	350	4	1.000	0.100	0.100	240	0.050
MMBD4448DW	SOT-363	0.250	75	4	1.000	2.500	0.050	75	0.004
MMBD4448HADW	SOT-363	0.250	80	4	1.000	0.100	0.050	70	0.004
MMBD4448HAQW	SOT-363	0.250	80	4	1.000	0.100	0.050	70	0.004
MMBD4448HCDW	SOT-363	0.250	80	4	1.000	0.100	0.050	70	0.004
MMBD4448HCQW	SOT-363	0.250	80	4	1.000	0.100	0.050	70	0.004
MMBD4448HSDW	SOT-363	0.250	80	4	1.000	0.100	0.050	70	0.004

Switching Diodes

Switching Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (us)
MMBD4448HTW	SOT-363	0.250	80	4	1.000	0.100	0.050	70	0.004
MMBD4448V	SOT-563	0.250	80	4	1.000	0.100	0.100	70	0.004
1N4448W	SOD-123	0.250	100	2	1.000	0.025	0.100	20	0.004
1N4448WX	SOD-323	0.250	100	2	1.000	1.000	0.100	75	0.004
BAS316	SOD-323	0.250	100	4	0.715	1.000	0.001	75	0.004
1N4448X	SOD-523	0.250	100	2	1.000	2.500	0.100	75	0.004
BAS516	SOD-523	0.250	100	1	0.715	0.030	0.001	25	0.004
BAW56	SOT-23	0.250	100	1	0.855	0.500	0.010	100	0.004
MMBD4448	SOT-23	0.250	100	2	0.720	0.025	0.005	20	0.004
MMBD4448WT	SOT-323	0.250	100	4	0.720	0.025	0.005	20	0.004
MMBD4448HT	SOT-523	0.250	100	2	0.720	0.025	0.005	20	0.004
MMBD4448HTA	SOT-523	0.250	100	2	0.720	0.025	0.005	20	0.004
MMBD4448HTC	SOT-523	0.250	100	2	0.720	0.025	0.005	20	0.004
MMBD4448HTS	SOT-523	0.250	100	2	0.720	0.025	0.005	20	0.004
BAV19W	SOD-123	0.250	120	1	1.000	0.100	0.100	100	0.050
BAV20W	SOD-123	0.250	200	1	1.000	0.100	0.100	150	0.050
BAV21W	SOD-123	0.250	250	1	1.000	0.100	0.100	200	0.050
BAV70DW	SOT-363	0.300	75	2	1.000	2.500	0.050	75	0.004
DAN217	SOT-23	0.300	80	1	1.200	0.100	0.100	70	0.004
DAN217U	SOT-323	0.300	80	1	1.200	0.200	0.100	70	0.004
MMBD1501	SOT-23	0.600	180	1	1.500	5.000	0.300	180	-
MMBD1503	SOT-23	0.600	180	1	1.500	5.000	0.300	180	-
MMBD1504	SOT-23	0.600	180	1	1.500	5.000	0.300	180	-
MMBD1505	SOT-23	0.600	180	1	1.500	5.000	0.300	180	-

Small Signal Schottky Diodes

Small Signal Schottky Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	
SD101CW	SOD-123	0.015	40	2.00	0.39	0.20	0.001	30	No
SD101CWS	SOD-323	0.015	40	2.00	0.39	0.20	0.001	30	No
SD101BW	SOD-123	0.015	50	2.00	0.40	0.20	0.001	40	No
SD101BWS	SOD-323	0.015	50	2.00	0.40	0.20	0.001	40	No
SD101AW	SOD-123	0.015	60	2.00	0.41	0.20	0.001	50	No
SD101AWS	SOD-323	0.015	60	2.00	0.41	0.20	0.001	50	No
RB751S-40DP	0201	0.030	40	0.20	0.37	0.50	0.001	30	No
RB751S-40L2	DFN1006-2L	0.030	40	0.15	0.37	0.50	0.001	30	No
RB751V-40	SOD-323	0.030	40	0.20	0.37	0.50	0.001	30	No
RB751S-40	SOD-523	0.030	40	0.50	0.37	0.50	0.001	30	No
RB706F-40	SOT-323	0.030	40	0.20	0.37	1.00	0.001	10	No
RB715F	SOT-323	0.030	40	0.20	0.37	1.00	0.001	10	No
RB717F	SOT-323	0.030	40	0.20	0.37	1.00	0.001	10	No
RB715W	SOT-523	0.030	40	0.20	0.37	1.00	0.001	10	No
BAS70L2	DFN1006-2L	0.070	70	0.10	0.41	0.20	0.001	50	No
BAS70WX	SOD-323	0.070	70	0.10	1.00	0.10	0.015	50	No
BAS70X	SOD-523	0.070	70	100.00	1.00	0.10	0.015	50	No
BAS70	SOT-23	0.070	70	0.10	1.00	0.01	0.015	50	No
BAS70-04	SOT-23	0.070	70	0.10	1.00	0.01	0.015	50	No
BAS70-05	SOT-23	0.070	70	0.10	1.00	0.01	0.015	50	No
BAS70-06	SOT-23	0.070	70	0.10	1.00	0.01	0.015	50	No
BAS70WT	SOT-323	0.070	70	-	1.00	0.10	0.015	50	No
BAS70WT-04	SOT-323	0.070	70	-	1.00	0.10	0.015	50	No
BAS70WT-05	SOT-323	0.070	70	-	1.00	0.10	0.015	50	No
BAS70WT-06	SOT-323	0.070	70	-	1.00	0.10	0.015	50	No
BAS70BRW	SOT-363	0.070	70	0.10	1.00	0.10	0.015	50	No
BAS70DW-04	SOT-363	0.070	70	0.10	1.00	0.10	0.015	50	No
BAS70DW-05	SOT-363	0.070	70	0.10	1.00	0.10	0.015	50	No
BAS70DW-06	SOT-363	0.070	70	0.10	1.00	0.10	0.015	50	No
BAS70TW	SOT-363	0.070	70	0.10	1.00	0.10	0.015	50	No
BAS70-04T	SOT-523	0.070	70	0.10	1.00	0.10	0.015	50	No
BAS70-05T	SOT-523	0.070	70	0.10	1.00	0.10	0.015	50	No
BAS70-06T	SOT-523	0.070	70	0.10	1.00	0.10	0.015	50	No
BAS70T	SOT-523	0.070	70	0.10	1.00	0.10	0.015	50	No
RB520S-30DP	0201	0.100	30	0.50	0.56	20.00	0.100	30	No
RB521S-30DP	0201	0.100	30	0.50	0.53	50.00	0.100	30	No
CSP522S-30DP	0201-A	0.100	30	0.50	0.65	5.00	0.100	30	No
RB520S-30L2	DFN1006-2L	0.100	30	0.50	0.45	0.50	0.010	10	No
RB521S-30L2	DFN1006-2L	0.100	30	1.00	0.35	10.00	0.010	10	No
SD107WS	SOD-323	0.100	30	0.75	0.55	1.00	0.050	25	No
RB520CS-30	SOD-923	0.100	30	0.50	0.45	0.50	0.010	10	No
RB521CS-30	SOD-923	0.100	30	0.50	0.35	50.00	0.010	30	No
RB500V-40	SOD-323	0.100	40	1.00	0.45	1.00	0.010	10	No
RB501V-40	SOD-323	0.100	40	1.00	0.34	30.00	0.010	10	No

Small Signal Schottky Diodes

Small Signal Schottky Diodes

Small Signal Schottky Diodes

Small Signal Schottky Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	
BAT46W	SOD-123	0.150	100	0.75	1.00	5.00	0.250	75	No
BAT46WS	SOD-323	0.150	100	0.75	1.00	0.50	0.250	10	No
BAT54L2	DFN1006-2L	0.200	30	0.60	0.50	2.00	0.030	25	No
BAT42W	SOD-123	0.200	30	4.00	1.00	0.50	0.200	25	No
BAT43W	SOD-123	0.200	30	4.00	0.45	0.50	0.015	25	No
BAT54W	SOD-123	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT42WS	SOD-323	0.200	30	4.00	1.00	0.50	0.200	25	No
BAT43WS	SOD-323	0.200	30	4.00	0.45	0.50	0.015	25	No
BAT54WS	SOD-323	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT43X	SOD-523	0.200	30	4.00	1.00	0.50	0.200	25	No
BAT54WX	SOD-523	0.200	30	0.60	0.80	2.00	0.100	25	No
RB520S-30	SOD-523	0.200	30	1.00	0.60	1.00	0.200	10	No
RB521S-30	SOD-523	0.200	30	1.00	0.50	30.00	0.200	10	No
BAR43	SOT-23	0.200	30	-	0.33	0.50	0.002	25	No
BAR43A	SOT-23	0.200	30	-	0.33	0.50	0.002	25	No
BAR43C	SOT-23	0.200	30	-	0.33	0.50	0.002	25	No
BAR43S	SOT-23	0.200	30	-	0.33	0.50	0.002	25	No
BAT54	SOT-23	0.200	30	0.60	0.40	2.00	0.010	25	No
BAT54A	SOT-23	0.200	30	0.60	0.40	2.00	0.010	25	No
BAT54C	SOT-23	0.200	30	0.60	0.40	2.00	0.010	25	No
BAT54S	SOT-23	0.200	30	0.60	0.40	2.00	0.010	25	No
BAT54AWT	SOT-323	0.200	30	0.60	0.80	2.00	0.100	25	No
BAT54CWT	SOT-323	0.200	30	0.60	0.80	2.00	0.100	25	No
BAT54SWT	SOT-323	0.200	30	0.60	0.80	2.00	0.100	25	No
BAT54WT	SOT-323	0.200	30	0.60	0.80	2.00	0.100	25	No
BAT54ADW	SOT-363	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT54BRW	SOT-363	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT54CDW	SOT-363	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT54DW	SOT-363	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT54SDW	SOT-363	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT54TW	SOT-363	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT54AT	SOT-523	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT54CT	SOT-523	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT54ST	SOT-523	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT54T	SOT-523	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT54V	SOT-563	0.200	30	-	1.00	2.00	0.040	25	No
BAT54CM	SOT-723	0.200	30	0.60	1.00	2.00	0.100	25	No
BAT54M	SOT-723	0.200	30	0.60	0.40	2.00	0.010	25	No
BAS40L2	DFN1006-2L	0.200	40	0.60	0.38	0.20	0.001	30	No
BAS40WX	SOD-323	0.200	40	0.60	1.00	0.20	0.040	30	No
BAS40X	SOD-523	0.200	40	0.60	1.00	0.20	0.040	30	No
RB520S-40	SOD-523	0.200	40	1.00	0.55	1.00	0.100	10	No
RB521S-40	SOD-523	0.200	40	1.00	0.54	90.00	0.200	40	No
BAS40	SOT-23	0.200	40	0.60	1.00	0.01	0.040	30	No

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	
BAS40-04	SOT-23	0.200	40	0.60	1.00	0.01	0.040	30	No
BAS40-05	SOT-23	0.200	40	0.60	1.00	0.01	0.040	30	No
BAS40-06	SOT-23	0.200	40	0.60	1.00	0.01	0.040	30	No
BAS40WT	SOT-323	0.200	40	-	1.00	1.00	0.040	30	No
BAS40WT-04	SOT-323	0.200	40	-	1.00	1.00	0.040	30	No
BAS40WT-05	SOT-323	0.200	40	-	1.00	1.00	0.040	30	No
BAS40WT-06	SOT-323	0.200	40	-	1.00	1.00	0.040	30	No
BAS40BRW	SOT-363	0.200	40	-	1.00	0.20	0.040	30	No
BAS40DW-04	SOT-363	0.200	40	-	1.00	0.20	0.040	30	No
BAS40DW-05	SOT-363	0.200	40	-	1.00	0.20	0.040	30	No
BAS40DW-06	SOT-363	0.200	40	-	1.00	0.20	0.040	30	No
BAS40TW	SOT-363	0.200	40	-	1.00	0.20	0.040	30	No
BAS40-04T	SOT-523	0.200	40	-	1.00	0.20	0.040	30	No
BAS40-05T	SOT-523	0.200	40	-	1.00	0.20	0.040	30	No
BAS40-06T	SOT-523	0.200	40	-	1.00	0.20	0.040	30	No
BAS40T	SOT-523	0.200	40	-	1.00	0.20	0.040	30	No
BAS40V	SOT-563	0.200	40	-	1.00	0.20	0.040	30	No
BAT64-04	SOT-23	0.250	40	0.80	0.43	2.00	0.010	25	No
BAT64-05	SOT-23	0.250	40	0.80	0.43	2.00	0.010	25	No
BAT64-06	SOT-23	0.250	40	0.80	0.43	2.00	0.010	25	No
BAT64-04W	SOT-323	0.250	40	0.80	0.52	2.00	0.030	30	No
BAT64-05W	SOT-323	0.250	40	0.80	0.52	2.00	0.030	30	No
BAT64-06W	SOT-323	0.250	40	0.80	0.52	2.00	0.030	30	No
BAT54WSH	SOD-323	0.300	40	1.25	0.90	1.00	0.100	30	No
BAT54AH	SOT-23	0.300	40	1.25	0.90	1.00	0.100	30	No
BAT54CH	SOT-23	0.300	40	1.25	0.90	1.00	0.100	30	No
BAT54H	SOT-23	0.300	40	1.25	0.90	1.00	0.100	30	No
BAT54SH	SOT-23	0.300	40	1.25	0.90	1.00	0.100	30	No
SD103CW	SOD-123	0.350	20	1.50	0.37	5.00	0.020	10	No
SD103CWS	SOD-323	0.350	20	1.50	0.37	5.00	0.020	10	No
SD103CWSL	SOD-323FL	0.350	20	2.00	0.37	5.00	0.020	10	No
SD103BW	SOD-123	0.350	30	1.50	0.37	5.00	0.020	20	No
SD103BWS	SOD-323	0.350	30	1.50	0.37	5.00	0.020	20	No
SD103BWSL	SOD-323FL	0.350	30	2.00	0.37	5.00	0.020	20	No
SD103AW	SOD-123	0.350	40	1.50	0.37	5.00	0.020	30	No
SD103AWS	SOD-323	0.350	40	1.50	0.37	5.00	0.020	30	No
SD103AWSL	SOD-323FL	0.350	40	2.00	0.37	5.00	0.020	30	No
SD103AX	SOD-523	0.350	40	1.00	0.60	5.00	0.200	30	No
SD103ATW	SOT-363	0.350	40	1.00	0.37	5.00	0.020	30	No
RB495DS	SOT-23	0.400	40	2.00	0.50	70.00	0.200	25	No
MBR0520	SOD-123	0.500	20	5.50	0.45	100.00	0.500	20	No
MBR0520L	SOD-123	0.500	20	5.50	0.39	250.00	0.500	20	Yes
MBRX0520L	SOD-323	0.500	20	5.50	0.39	250.00	0.500	20	No
MBR0530L2	DFN1006-2	0.500	30	3.00	0.54	500.00	0.500	30	No

Small Signal Schottky Diodes

Bridge Rectifiers

Small Signal Schottky Diodes

Bridge Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	
MBR0530	SOD-123	0.500	30	5.50	0.55	100.00	0.500	30	No
MBR0530L	SOD-123	0.500	30	5.50	0.43	130.00	0.500	30	Yes
B0530WS	SOD-323	0.500	30	5.00	0.55	300.00	0.500	30	No
RB551V-30	SOD-323	0.500	30	2.00	0.47	100.00	0.500	20	No
RB551V-30S	SOD-323	0.500	30	2.00	0.47	100.00	0.500	20	No
B0540W	SOD-123	0.500	40	5.50	0.55	80.00	0.500	40	No
MBR0540	SOD-123	0.500	40	5.50	0.55	100.00	0.500	40	No
MBR0540L	SOD-123	0.500	40	5.50	0.51	20.00	0.500	40	Yes
B0540WS	SOD-323	0.500	40	5.00	0.55	80.00	0.500	40	No
RB551V-40	SOD-323	0.500	40	2.00	0.47	100.00	0.500	40	No
BAT720	SOT-23	0.500	40	2.00	0.55	100.00	0.500	35	No
RB400DS	SOT-23	0.500	40	3.00	0.55	50.00	0.500	30	No
BAT720WT	SOT-323	0.500	40	2.00	0.55	100.00	0.500	35	No
MBR0560	SOD-123	0.500	60	5.50	0.70	100.00	0.500	60	No
B0560WS	SOD-323	0.500	60	5.00	0.70	100.00	0.500	60	No
MBR0580	SOD-123	0.500	80	5.50	0.80	100.00	0.500	80	No
B05100W	SOD-123	0.500	100	5.50	0.85	1.00	0.500	100	No
B05100WS	SOD-323	0.500	100	5.50	0.85	1.00	0.500	100	No
BAT165WS	SOD-323	0.750	40	10.00	0.74	8.00	0.750	40	No
BAT750	SOT-23	0.750	40	5.50	0.45	60.00	0.750	30	No
B5817W	SOD-123	1.000	20	10.00	0.45	200.00	1.000	20	No
MBRX120LF	SOD-123	1.000	20	12.00	0.20	260.00	0.100	5	Yes
B5817WS	SOD-323	1.000	20	10.00	0.45	200.00	1.000	20	No
B5818W	SOD-123	1.000	30	10.00	0.55	40.00	1.000	30	No
B5818LWS	SOD-323	1.000	30	10.00	0.45	200.00	1.000	30	Yes
B5818WS	SOD-323	1.000	30	10.00	0.55	40.00	1.000	30	No
SM5819L2	DFN1006-2	1.000	40	10.00	0.60	60.00	1.000	40	No
B5819W	SOD-123	1.000	40	10.00	0.60	40.00	1.000	40	No
B5819WS	SOD-323	1.000	40	10.00	0.60	40.00	1.000	40	No
B5819WSL	SOD-323FL	1.000	40	10.00	0.60	50.00	1.000	40	No
B5817X2	SOD-523	1.000	40	4.00	0.60	30.00	1.000	20	No
BSR106WS	SOD-323	1.000	60	10.00	0.70	100.00	1.000	60	No
BAT60B	SOD-323	3.000	10	5.00	0.30	15.00	0.010	5	No

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
MB6S	MBS-1	0.5	600	35	1	5	0.4	600	-
MB8S	MBS-1	0.5	800	35	1	5	0.4	800	-
MB10S	MBS-1	0.5	1000	35	1	5	0.4	1000	-
MBL6S	MBLS-1	0.5	600	35	1	5	0.4	600	-
MBL8S	MBLS-1	0.5	800	35	1	5	0.4	800	-
MBL10S	MBLS-1	0.5	1000	35	1	5	0.4	1000	-
RMB6S	MBS-1	0.5	600	30	1.25	5	0.4	600	0.25
DB105	DB-1	1	600	30	1	5	0.5	600	-
DB106	DB-1	1	800	30	1	5	0.5	800	-
DB107	DB-1	1	1000	30	1	5	0.5	1000	-
DB105L	DBL-1	1	600	30	1	5	0.5	600	-
DB106L	DBL-1	1	800	30	1	5	0.5	800	-
DB107L	DBL-1	1	1000	30	1	5	0.5	1000	-
LMB14S	LMBS-1	1	40	30	0.55	100	0.5	40	-
LMB16S	LMBS-1	1	60	30	0.65	100	0.5	60	-
LMB110S	LMBS-1	1	100	s	0.85	10	0.5	100	-
LMB6S	LMBS-1	1	600	30	0.95	5	0.4	600	-
LMB8S	LMBS-1	1	800	30	0.95	5	0.4	800	-
LMB10S	LMBS-1	1	1000	30	0.95	5	0.4	1000	-
SDB105L	SDBL-1	1	600	30	1	5	0.5	600	-
SDB106L	SDBL-1	1	800	30	1	5	0.5	800	-
SDB107L	SDBL-1	1	1000	30	1	5	0.5	1000	-
SDB105	SDB-1	1	600	30	1	5	0.5	600	-
SDB106	SDB-1	1	800	30	1	5	0.5	800	-
SDB107	SDB-1	1	1000	30	1	5	0.5	1000	-
SLMB2S	LMBS-1	1	200	30	0.95	10	0.5	200	0.035
SLMB4S	LMBS-1	1	400	30	1.3	10	0.5	400	0.035
SLMB6S	LMBS-1	1	600	30	1.7	10	0.5	600	0.035
DB156	DB-1	1.5	800	50	1.1	10	1.5	800	-
DB157	DB-1	1.5	1000	50	1.1	10	1.5	1000	-
DB155L	DBL-1	1.5	600	45	1.1	10	1.5	600	-
DB156L	DBL-1	1.5	800	45	1.1	10	1.5	800	-
DB157L	DBL-1	1.5	1000	45	1.1	10	1.5	1000	-
SDB155L	SDBL-1	1.5	600	50	1.1	10	1.5	600	-
SDB156L	SDBL-1	1.5	800	50	1.1	10	1.5	800	-
SDB157L	SDBL-1	1.5	1000	50	1.1	10	1.5	1000	-
SDB155	SDB-1	1.5	600	50	1.1	5	1.5	600	-
SDB156	SDB-1	1.5	800	50	1.1	5	1.5	800	-
SDB157	SDB-1	1.5	1000	50	1.1	5	1.5	1000	-
DB205	DB-1	2	600	60	1.1	10	2	600	-
DB206	DB-1	2	800	60	1.1	10	2	800	-
DB207	DB-1	2	1000	60	1.1	10	2	1000	-
DB205L	DBL-1	2	600	60	1.1	10	2	600	-
DB207L	DBL-1	2	1000	60	1.1	10	2	1000	-

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Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
FLMB207S	LMBS-1	2	1000	60	1.3	5	1	1000	0.15
GBL206	GBL	2	600	80	1.05	10	1	600	-
GBL208	GBL	2	800	80	1.05	10	1	800	-
GBL210	GBL	2	1000	80	1.05	10	1	1000	-
GBL210S	GBL	2	1000	90	1	5	1	1000	-
KBP206G	GBP	2	600	60	1.05	10	2	600	-
KBP208G	GBP	2	800	60	1.05	10	2	800	-
KBP210G	GBP	2	1000	60	1.05	10	2	1000	-
KBP210GS	GBP	2	1000	60	1	5	1	1000	-
LMB205SL	LMBS-1	2	600	65	0.95	5	1	600	-
LMB206SL	LMBS-1	2	800	65	0.95	5	1	800	-
LMB207SL	LMBS-1	2	1000	65	0.95	5	1	1000	-
LMB205S	LMBS-1	2	600	60	0.95	5	1	600	-
LMB206S	LMBS-1	2	800	60	0.95	5	1	800	-
LMB207S	LMBS-1	2	1000	60	0.95	5	1	1000	-
LMB24S	LMBS-1	2	40	50	0.5	100	1	40	-
LMB26S	LMBS-1	2	60	50	0.7	100	1	60	-
LMB210S	LMBS-1	2	100	50	0.85	10	1	100	-
SDB205L	SDBL-1	2	600	60	1.1	5	2	600	-
SDB206L	SDBL-1	2	800	60	1.1	5	2	800	-
SDB207L	SDBL-1	2	1000	60	1.1	5	2	1000	-
SDB205	SDB-1	2	600	60	1.2	10	2	600	-
SDB206	SDB-1	2	800	60	1.2	10	2	800	-
SDB207	SDB-1	2	1000	60	1.2	10	2	1000	-
TBS20J	TBS	2	600	75	1.1	5	2	600	-
TBS20K	TBS	2	800	75	1.1	5	2	800	-
TBS20M	TBS	2	1000	75	1.1	5	2	1000	-
TBSA20M	TBSG	2	1000	80	1	5	1	1000	-
UD2KB60	D3K	2	600	75	1	10	1	600	-
UD2KB80	D3K	2	800	75	1	10	1	800	-
TBS22J	TBS	2.2	600	90	0.95	5	1.1	600	-
TBS22K	TBS	2.2	800	90	0.95	5	1.1	800	-
TBS22M	TBS	2.2	1000	90	0.95	5	1.1	1000	-
KBP306G	GBP	3	600	80	1.1	10	2	600	-
KBP308G	GBP	3	800	80	1.1	10	2	800	-
KBP310G	GBP	3	1000	80	1.1	10	2	1000	-
KBP310GS	GBP	3	1000	90	1	5	1.5	1000	-
LMB36S	LMBS-1	3	60	70	0.65	500	1.5	60	-
RTBS30M	TBS	3	1000	90	1.3	5	1.5	1000	0.35
TBS30J	TBS	3	600	110	0.95	5	1.5	600	-
TBS30K	TBS	3	800	110	0.95	5	1.5	800	-
TBS30M	TBS	3	1000	110	0.95	5	1.5	1000	-
TBS30KL	TBS	3	800	95	0.96	5	3	800	-
TBSA30M	TBSG	3	1000	110	1	5	1.5	1000	-

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
UD3KB60	D3K	3	600	90	1	10	1.5	600	-
UD3KB80	D3K	3	800	90	1	10	1.5	800	-
UD3KB100	D3K	3	1000	90	1	10	1.5	1000	-
GBL406-BPC01	GBL	4	600	150	1	5	2	600	-
GBL408-BPC01	GBL	4	800	150	1	5	2	800	-
GBL410-BPC01	GBL	4	1000	150	1	5	2	1000	-
GBL410S	GBL	4	1000	135	1	5	2	1000	-
GBU4J	GBU	4	600	160	1	5	2	600	-
GBU4K	GBU	4	800	160	1	5	2	800	-
GBU4M	GBU	4	1000	160	1	5	2	1000	-
GBU4JL	GBU	4	600	150	0.9	10	4	600	-
GBU4KL	GBU	4	800	150	0.9	10	4	800	-
GBU4MS	GBU	4	1000	135	1	5	2	1000	-
GBUA4M	JC	4	1000	135	1	5	2	1000	-
KBJ406G	KBJ	4	600	150	1	5	2	600	-
KBJ408G	KBJ	4	800	150	1	5	2	800	-
KBJ410G	KBJ	4	1000	150	1	5	2	1000	-
KBJ410GS	KBJ	4	1000	135	1	5	2	1000	-
KBJA406	JB	4	600	120	1.05	10	2	600	-
KBJA408	JB	4	800	120	1.05	10	2	800	-
KBJA410	JB	4	1000	120	1.05	10	2	1000	-
KBP406G	GBP	4	600	110	1	10	2	600	-
KBP408G	GBP	4	800	110	1	10	2	800	-
KBP410G	GBP	4	1000	110	1	10	2	1000	-
KBP410GS	GBP	4	1000	110	1	5	2	1000	-
RS405GL	RS-4L	4	600	200	1.1	5	4	600	-
RS406GL	RS-4L	4	800	200	1.1	5	4	800	-
RS407GL	RS-4L	4	1000	200	1.1	5	4	1000	-
RTBL406	TBL	4	600	100	1.3	5	2	600	0.25
TBL406	TBL	4	600	120	0.95	5	2	600	-
TBL410	TBL	4	1000	120	0.95	5	2	1000	-
TBSA40M	TBSG	4	1000	120	1	5	2	1000	-
UD4KB60	D3K	4	600	130	1	5	2	600	-
UD4KB80	D3K	4	800	130	1	5	2	800	-
UD4KB100	D3K	4	1000	130	1	5	2	1000	-
GBJ606	GBJ	6	600	170	1	5	3	600	-
GBJ608	GBJ	6	800	170	1	5	3	800	-
GBJ610	GBJ	6	1000	170	1	5	3	1000	-
GBJA606	JA	6	600	135	1.1	10	3	600	-
GBJA608	JA	6	800	135	1.1	10	3	800	-
GBJA610	JA	6	1000	135	1.1	10	3	1000	-
GBL606	GBL	6	600	135	1	5	3	600	-
GBL608	GBL	6	800	135	1	5	3	800	-
GBL610	GBL	6	1000	135	1	5	3	1000	-

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Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
GBL610S	GBL	6	1000	150	1	5	3	1000	-
GBU6J	GBU	6	600	175	1	5	3	600	-
GBU6K	GBU	6	800	175	1	5	3	800	-
GBU6M	GBU	6	1000	175	1	5	3	1000	-
GBU6MS	GBU	6	1000	150	1	5	3	1000	-
GBUA6M	JC	6	1000	150	1	5	3	1000	-
KBJ606G	KBJ	6	600	170	1	5	3	600	-
KBJ608G	KBJ	6	800	170	1	5	3	800	-
KBJ610G	KBJ	6	1000	170	1	5	3	1000	-
KBJ610GS	KBJ	6	1000	150	1	5	3	1000	-
KBJA606	JB	6	600	135	1.05	10	3	600	-
KBJA608	JB	6	800	135	1.05	10	3	800	-
KBJA610	JB	6	1000	135	1.05	10	3	1000	-
PB66	PB-6	6	600	150	1	10	3	600	-
PB68	PB-6	6	800	150	1	10	3	800	-
PB610	PB-6	6	1000	150	1	10	3	1000	-
RS605	RS-6	6	600	200	1.1	10	3	600	-
RS606	RS-6	6	800	200	1.1	10	3	800	-
RS607	RS-6	6	1000	200	1.1	10	3	1000	-
RTBL610	TBL	6	1000	150	1.3	5	3	1000	0.5
TBL610	TBL	6	1000	150	0.95	5	3	1000	-
TBSA60M	TBSG	6	1000	150	1	5	3	1000	-
UD6KB60	D3K	6	600	170	1	10	3	600	-
UD6KB80	D3K	6	800	170	1	10	3	800	-
UD6KB100	D3K	6	1000	170	1	10	3	1000	-
GBJ806	GBJ	8	600	170	1	5	4	600	-
GBJ808	GBJ	8	800	170	1	5	4	800	-
GBJ810	GBJ	8	1000	170	1	5	4	1000	-
GBJA806	JA	8	600	150	1.1	10	4	600	-
GBJA808	JA	8	800	150	1.1	10	4	800	-
GBJA810	JA	8	1000	150	1.1	10	4	1000	-
GBU8J	GBU	8	600	220	1	5	4	600	-
GBU8K	GBU	8	800	220	1	5	4	800	-
GBU8M	GBU	8	1000	220	1	5	4	1000	-
KBJA806	JB	8	600	150	1.1	10	4	600	-
KBJA808	JB	8	800	150	1.1	10	4	800	-
KBJA810	JB	8	1000	150	1.1	10	4	1000	-
PB86	PB-10	8	600	220	1.1	10	4	600	-
PB810	PB-10	8	1000	220	1.1	10	4	1000	-
RS805	RS-6	8	600	300	1.1	10	4	600	-
RS806	RS-6	8	800	300	1.1	10	4	800	-
RS807	RS-6	8	1000	300	1.1	10	4	1000	-
TBL806	TBL	8	600	200	1	5	4	600	-
TBL808	TBL	8	800	200	1	5	4	800	-

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
TBL810	TBL	8	1000	200	1	5	4	1000	-
UD8KB60	D3K	8	600	175	0.95	5	4	600	-
UD8KB80	D3K	8	800	175	0.95	5	4	800	-
UD8KB100	D3K	8	1000	175	0.95	5	4	1000	-
BR106	PB-6	10	600	150	1.1	10	5	600	-
BR108	PB-6	10	800	150	1.1	10	5	800	-
BR1010	PB-6	10	1000	150	1.1	10	5	1000	-
GBJ1006	GBJ	10	600	170	1.05	10	5	600	-
GBJ1008	GBJ	10	800	170	1.05	10	5	800	-
GBJ1010	GBJ	10	1000	170	1.05	10	5	1000	-
GBJ1010S	GBJ	10	1000	175	1	5	5	1000	-
GBJA1006	JA	10	600	150	1.1	10	5	600	-
GBJA1008	JA	10	800	150	1.1	10	5	800	-
GBJA1010	JA	10	1000	150	1.1	10	5	1000	-
GBU10J	GBU	10	600	240	1	5	5	600	-
GBU10K	GBU	10	800	240	1	5	5	800	-
GBU10M	GBU	10	1000	240	1	5	5	1000	-
GBU10KL	GBU	10	800	200	0.9	5	5	800	-
GBU10MS	GBU	10	1000	175	1	5	5	1000	-
GBUA10M	JC	10	1000	175	1	5	5	1000	-
KBJ1006G	KBJ	10	600	170	1	5	5	600	-
KBJ1008G	KBJ	10	800	170	1	5	5	800	-
KBJ1010G	KBJ	10	1000	170	1	5	5	1000	-
KBJ1010GS	KBJ	10	1000	175	1	5	5	1000	-
KBJA1006	JB	10	600	150	1.1	10	5	600	-
KBJA1008	JB	10	800	150	1.1	10	5	800	-
KBJA1010	JB	10	1000	150	1.1	10	5	1000	-
RS1005	RS-6	10	600	250	1	10	5	600	-
RS1006	RS-6	10	800	250	1	10	5	800	-
RS1007	RS-6	10	1000	250	1	10	5	1000	-
TBN1010	TBN	10	1000	250	1	5	5	1000	-
GBJ1506	GBJ	15	600	240	1	10	7.5	600	-
GBJ1508	GBJ	15	800	240	1	10	7.5	800	-
GBJ1510	GBJ	15	1000	240	1	10	7.5	1000	-
GBJ1506L	GBJ	15	600	380	0.92	5	7.5	600	-
GBJ1508L	GBJ	15	800	380	0.92	5	7.5	800	-
GBJ1510S	GBJ	15	1000	250	1	5	7.5	1000	-
GBJ15L06	GBJ	15	600	250	0.92	5	7.5	600	0.5
GBJ15L08	GBJ	15	800	250	0.92	5	7.5	800	-
GBJA1506	JA	15	600	220	1.05	10	7.5	600	-
GBJA1508	JA	15	800	220	1.05	10	7.5	800	-
GBJA1510	JA	15	1000	220	1.05	10	7.5	1000	-
GBPC1506	GBPC	15	600	250	1.1	5	7.5	600	-
GBPC1508	GBPC	15	800	250	1.1	5	7.5	800	-

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Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
GBPC1510	GBPC	15	1000	250	1.1	5	7.5	1000	-
GBU15J	GBU	15	600	240	1.1	5	7.5	600	-
GBU15K	GBU	15	800	240	1.1	5	7.5	800	-
GBU15M	GBU	15	1000	240	1.1	5	7.5	1000	-
GBU15KL	GBU	15	800	240	0.93	5	7.5	800	-
GBU15L06	GBU	15	600	250	0.92	5	7.5	600	0.5
GBU15L08	GBU	15	800	220	0.92	5	7.5	800	-
GBU15MS	GBU	15	1000	200	1	5	7.5	1000	-
KBJ1510GS	KBJ	15	1000	220	1	5	7.5	1000	-
KBJA1506	JB	15	600	220	1	5	7.5	600	-
KBJA1508	JB	15	800	220	1	5	7.5	800	-
KBJA1510	JB	15	1000	220	1	5	7.5	1000	-
MP156W	MP-50W	15	600	300	1.1	5	7.5	600	-
GBJ2006	GBJ	20	600	240	1.05	10	10	600	-
GBJ2008	GBJ	20	800	240	1.05	10	10	800	-
GBJ2010	GBJ	20	1000	240	1.05	10	10	1000	-
GBJ2010S	GBJ	20	1000	280	1	5	10	1000	-
GBJA2006	JA	20	600	240	1.1	10	10	600	-
GBJA2008	JA	20	800	240	1.1	10	10	800	-
GBJA2010	JA	20	1000	240	1.1	10	10	1000	-
GBU2006	GBU	20	600	240	1.1	5	10	600	-
GBU2008	GBU	20	800	240	1.1	5	10	800	-
GBU2010	GBU	20	1000	240	1.1	5	10	1000	-
GBU2010S	GBU	20	1000	250	1	5	10	1000	-
GBJ2506	GBJ	25	600	350	1	10	12.5	600	-
GBJ2508	GBJ	25	800	350	1	10	12.5	800	-
GBJ2510	GBJ	25	1000	350	1	10	12.5	1000	-
GBJ2508L	GBJ	25	800	550	0.92	5	12.5	800	-
GBJ2510H	GBJ	25	1600	400	1.2	10	12.5	1600	-
GBJ2510S	GBJ	25	1000	320	1	5	12.5	1000	-
GBJ25L06	GBJ	25	600	320	0.92	5	12.5	600	0.5
GBJ25L08	GBJ	25	800	360	0.92	5	12.5	800	-
GBJA2506	JA	25	600	350	1.05	10	12.5	600	-
GBJA2508	JA	25	800	350	1.05	10	12.5	800	-
GBJA2510	JA	25	1000	350	1.05	10	12.5	1000	-
GBPC2506	GBPC	25	600	300	1.1	5	12.5	600	-
GBPC2508	GBPC	25	800	300	1.1	5	12.5	800	-
GBPC2510	GBPC	25	1000	300	1.1	5	12.5	1000	-
GBPC2506W	GBPC-W	25	600	300	1.1	5	12.5	600	-
GBPC2508W	GBPC-W	25	800	300	1.1	5	12.5	800	-
GBPC2510W	GBPC-W	25	1000	300	1.1	5	12.5	1000	-
GBU2506	GBU	25	600	300	1	10	12.5	600	-
GBU2508	GBU	25	800	300	1	10	12.5	800	-
GBU2510	GBU	25	1000	300	1	10	12.5	1000	-

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
GBU2510S	GBU	25	1000	300	1	5	12.5	1000	-
GBU25L06	GBU	25	600	360	0.92	5	12.5	600	-
GBU25L08	GBU	25	800	360	0.92	5	12.5	800	-
MB256	MB-35	25	600	300	1.1	10	12.5	600	-
MB258	MB-35	25	800	300	1.1	10	12.5	800	-
MB2510	MB-35	25	1000	300	1.1	10	12.5	1000	-
PB2506	PB	25	600	350	1	5	12.5	600	-
PB2508	PB	25	800	350	1	5	12.5	800	-
PB2510	PB	25	1000	350	1	5	12.5	1000	-
GBU3006	GBU	30	600	350	1	5	15	600	-
GBU3008	GBU	30	800	350	1	5	15	800	-
GBU3010	GBU	30	1000	350	1	5	15	1000	-
3GBJ3508	TSB-5	35	800	400	1.1	10	17.5	800	-
3GBJ3510	TSB-5	35	1000	400	1.1	10	17.5	1000	-
3GBJ3516	TSB-5	35	1600	400	1.1	10	17.5	1600	-
GBJ3506	GBJ	35	600	400	1.05	10	17.5	600	-
GBJ3508	GBJ	35	800	400	1.05	10	17.5	800	-
GBJ3510	GBJ	35	1000	400	1.05	10	17.5	1000	-
GBJ3508L	GBJ	35	800	420	0.95	5	17.5	800	-
GBJ3510S	GBJ	35	1000	350	1	5	17.5	1000	-
GBPC3506	GBPC	35	600	400	1.1	5	17.5	600	-
GBPC3508	GBPC	35	800	400	1.1	5	17.5	800	-
GBPC3510	GBPC	35	1000	400	1.1	5	17.5	1000	-
GBPC3506W	GBPC-W	35	600	400	1.1	5	17.5	600	-
GBPC3508W	GBPC-W	35	800	400	1.1	5	17.5	800	-
GBPC3510W	GBPC-W	35	1000	400	1.1	5	17.5	1000	-
GBU3510	GBU	35	1000	450	1.05	5	17.5	1000	-
MB356	MB-35	35	600	400	1.1	10	17.5	600	-
MB358	MB-35	35	800	400	1.1	10	17.5	800	-
MB3510	MB-35	35	1000	400	1.1	10	17.5	1000	-
MP358W	MP-50W	35	800	400	1.1	5	17.5	800	-
MT3508A	MT-35A	35	800	400	1.2	10	17.5	800	-
MT3512A	MT-35A	35	1200	400	1.2	10	17.5	1200	-
MT3516A	MT-35A	35	1600	400	1.2	10	17.5	1600	-
PB3506	PB	35	600	400	1	5	17.5	600	-
PB3508	PB	35	800	400	1	5	17.5	800	-
PB3510	PB	35	1000	400	1	5	17.5	1000	-
GBJ5006	GBJ	50	600	400	1	10	25	600	-
GBJ5008	GBJ	50	800	400	1	10	25	800	-
GBJ5010	GBJ	50	1000	400	1	10	25	1000	-
GBJ5006L	GBJ	50	600	420	0.97	5	25	600	-
GBJ5010S	GBJ	50	1000	500	1	5	25	1000	-
GBPC5004	GBPC	50	400	500	1.1	5	25	400	-
GBPC5006	GBPC	50	600	500	1.1	5	25	600	-

Bridge Rectifiers

Bridge Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
GBPC5008	GBPC	50	800	500	1.1	5	25	800	-
GBPC5010	GBPC	50	1000	500	1.1	5	25	1000	-
GBPC5008H	GBPC-H	50	800	500	1.1	5	25	800	-
GBPC5010H	GBPC-H	50	1000	500	1.1	5	25	1000	-
GBPC5012H	GBPC-H	50	1200	500	1.1	5	25	1200	-
GBU5010	GBU	50	1000	500	1	5	25	1000	-
MP506	MP-50	50	600	500	1.2	10	25	600	-
MP5010	MP-50	50	1000	500	1.2	10	25	1000	-
MP506W	MP-50W	50	600	450	1.1	10	25	600	-
MP508W	MP-50W	50	800	450	1.1	10	25	800	-
MP5010W	MP-50W	50	1000	450	1.1	10	25	1000	-
MT5004A	MT-35A	50	400	500	1.2	10	25	400	-
MT5008A	MT-35A	50	800	500	1.2	10	25	800	-
MT5016A	MT-35A	50	1600	500	1.2	10	25	1600	-
PB5006	PB	50	600	450	1.05	5	25	600	-
PB5008	PB	50	800	450	1.05	5	25	800	-
PB5010	PB	50	1000	450	1.05	5	25	1000	-

Standard Recovery Rectifiers

Standard Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
R4000GPS	DO-41	0.2	4000	15	3.50	5	0.5	4000	>1.2
1N4004	DO-41	1.0	400	30	1.00	5	1	400	2
1N4005	DO-41	1.0	600	30	1.00	5	1	600	2
1N4006	DO-41	1.0	800	30	1.00	5	1	800	2
1N4007	DO-41	1.0	1000	30	1.00	5	1	1000	2
1N4004GP	DO-41	1.0	400	30	1.10	5	1	400	2
1N4007GP	DO-41	1.0	1000	30	1.10	5	1	1000	2
BY133GP	DO-41	1.0	1300	30	1.10	5	1	1300	-
EM513GP	DO-41	1.0	1600	25	1.25	5	1	1600	-
EM516GP	DO-41	1.0	1800	25	1.25	5	1	1800	-
EM518GP	DO-41	1.0	2000	25	1.25	5	1	2000	-
GS1AE	SMA	1.0	50	30	1.10	5	1	50	2
GS1JE	SMA	1.0	600	30	1.10	5	1	600	2
GS1KE	SMA	1.0	800	30	1.10	5	1	800	2
GS1ME	SMA	1.0	1000	30	1.10	5	1	1000	2
GS1JFL	DO-221AC	1.0	600	30	1.00	5	1	600	-
GS1MFL	DO-221AC	1.0	1000	30	1.00	5	1	1000	-
GS1J-L	SMA	1.0	600	30	1.00	5	1	600	2
GS1K-L	SMA	1.0	800	30	1.00	5	1	800	2
GS1M-L	SMA	1.0	1000	30	1.00	5	1	1000	2
GS1MHL	SOD-123HL	1.0	1000	30	1.10	5	1	1000	-
GS1R-L	SMA	1.0	1300	30	1.00	5	1	1300	-
GS1Y-L	SMA	1.0	1600	30	1.25	5	1	1600	2.5
GS1ZFL	DO-221AC	1.0	2000	30	1.15	1	1	2000	2.5
GS1Z-L	SMA	1.0	2000	30	1.15	1	1	2000	2.5
M4FL	DO-221AC	1.0	400	30	1.10	5	1	400	-
M7FL	DO-221AC	1.0	1000	30	1.10	5	1	1000	-
RL105GP	A-405	1.0	600	30	1.10	5	1	600	-
RL106GP	A-405	1.0	800	30	1.10	5	1	800	-
RL107GP	A-405	1.0	1000	30	1.10	5	1	1000	-
RL105	A-405	1.0	600	30	1.10	5	1	600	-
RL106	A-405	1.0	800	30	1.10	5	1	800	-
RL107	A-405	1.0	1000	30	1.10	5	1	1000	-
S1J-L	SMB	1.0	600	30	1.10	5	1	600	2
S1K-L	SMB	1.0	800	30	1.10	5	1	800	2
S1M-L	SMB	1.0	1000	30	1.10	5	1	1000	2
S1YA	SMA	1.0	1600	30	1.25	5	1	1600	2
S1Z-L	SMB	1.0	2000	30	1.20	5	1	2000	-
SM4005PL	SOD-123FL	1.0	600	30	1.10	5	1	600	3
SM4006PL	SOD-123FL	1.0	800	30	1.10	5	1	800	3
SM4007PL	SOD-123FL	1.0	1000	30	1.10	5	1	1000	3
1N5395GP	DO-15	1.5	400	50	1.40	5	1.5	400	-
1N5397GP	DO-15	1.5	600	50	1.40	5	1.5	600	-
1N5398GP	DO-15	1.5	800	50	1.40	5	1.5	800	-

Standard Recovery Rectifiers

Standard Recovery Rectifiers

Standard Recovery Rectifiers

Standard Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
1N5399GP	DO-15	1.5	1000	50	1.40	5	1.5	1000	-
GS2Y-L	SMA	1.5	1600	30	1.15	3	1.5	1600	4
S2Y-L	SMB	1.5	1600	30	1.15	5	1.5	1600	4
SM5397PL	SOD-123FL	1.5	600	50	1.10	5	1.5	600	2
SM5398PL	SOD-123FL	1.5	800	50	1.10	5	1.5	800	2
SM5399PL	SOD-123FL	1.5	1000	50	1.10	5	1.5	1000	2
GS2JFL	DO-221AC	2.0	600	50	1.10	5	2	600	4
GS2KFL	DO-221AC	2.0	800	50	1.10	5	2	800	4
GS2MFL	DO-221AC	2.0	1000	50	1.10	5	2	1000	4
GS2A-L	SMA	2.0	50	50	1.10	5	2	50	4
GS2J-L	SMA	2.0	600	50	1.10	5	2	600	4
GS2K-L	SMA	2.0	800	50	1.10	5	2	800	4
GS2M-L	SMA	2.0	1000	50	1.10	5	2	1000	4
GS2MHL	SOD-123HL	2.0	1000	50	1.10	5	2	1000	-
RL205GP	DO-15	2.0	600	70	1.00	5	2	600	-
RL206GP	DO-15	2.0	800	70	1.00	5	2	800	-
RL207GP	DO-15	2.0	1000	70	1.00	5	2	1000	-
S2J-L	SMB	2.0	600	50	1.15	5	2	600	-
S2K-L	SMB	2.0	800	50	1.15	5	2	800	-
S2M-L	SMB	2.0	1000	50	1.15	5	2	1000	-
S2JBFL	SMBF	2.0	600	50	1.10	5	2	600	-
S2MBFL	SMBF	2.0	1000	50	1.10	5	2	1000	-
RL255GP	R-3	2.5	600	70	1.10	5	2.5	600	-
RL256GP	R-3	2.5	800	70	1.10	5	2.5	800	-
RL257GP	R-3	2.5	1000	70	1.10	5	2.5	1000	-
RL257GPL	DO-15	2.5	1000	120	1.10	2.5	2.5	1000	-
1N5406GP	DO-201AD	3.0	600	200	1.10	5	3	600	-
1N5407GP	DO-201AD	3.0	800	200	1.10	5	3	800	-
1N5408GP	DO-201AD	3.0	1000	200	1.10	5	3	1000	-
1N5413GP	DO-201AD	3.0	1300	100	1.10	5	3	1300	-
1N5416GP	DO-201AD	3.0	1600	100	1.20	5	3	1600	-
GS3Z	SMC	3.0	2000	100	1.20	10	3	2000	-
S3JB	SMB	3.0	600	100	1.10	5	3	600	-
S3KB	SMB	3.0	800	100	1.10	5	3	800	-
S3MB	SMB	3.0	1000	100	1.10	5	3	1000	-
S3J	SMC	3.0	600	100	1.20	10	3	600	-
S3K	SMC	3.0	800	100	1.20	10	3	800	-
S3M	SMC	3.0	1000	100	1.20	10	3	1000	-
S3JBFL	SMBF	3.0	600	100	1.10	5	3	600	-
S3MBFL	SMBF	3.0	1000	100	1.10	5	3	1000	-
S3Q	SMC	3.0	1200	100	1.20	10	3	1200	-
S5JL	SMC	5.0	600	100	1.15	5	5	600	-
S5KL	SMC	5.0	800	100	1.15	5	5	800	-
S5ML	SMC	5.0	1000	100	1.15	5	5	1000	-

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
S5MB	SMB	5.0	1000	150	1.10	5	5	1000	-
60S6	DO-201AD	6.0	600	200	1.00	5	6	600	-
60S8	DO-201AD	6.0	800	200	1.00	5	6	800	-
60S10	DO-201AD	6.0	1000	200	1.00	5	6	1000	-
6A6G	R-6	6.0	600	200	1.00	10	6	600	-
6A8G	R-6	6.0	800	200	1.00	10	6	800	-
6A10G	R-6	6.0	1000	200	1.00	10	6	1000	-
DR756	R-6	6.0	600	200	1.10	10	6	600	-
DR758	R-6	6.0	800	200	1.10	10	6	800	-
DR7510	R-6	6.0	1000	200	1.10	10	6	1000	-
SMLJ60S6	SMC	6.0	600	200	1.00	5	6	600	-
SMLJ60S8	SMC	6.0	800	200	1.00	5	6	800	-
SMLJ60S10	SMC	6.0	1000	200	1.00	5	6	1000	-
S8JL	SMC	8.0	600	200	1.05	5	8	600	-
S8KL	SMC	8.0	800	200	1.05	5	8	800	-
S8ML	SMC	8.0	1000	200	1.05	5	8	1000	-
10A04GP	R-6	10.0	400	300	1.00	5	10	400	-
10A05GP	R-6	10.0	600	300	1.00	5	10	600	-
10A06GP	R-6	10.0	800	300	1.00	5	10	800	-
10A07GP	R-6	10.0	1000	300	1.00	5	10	1000	-
S10AL	SMC	10.0	50	200	1.20	10	10	50	-
S10DL	SMC	10.0	200	200	1.20	10	10	200	-
S10GL	SMC	10.0	400	200	1.20	10	10	400	-
S10JL	SMC	10.0	600	200	1.20	10	10	600	-
S10KL	SMC	10.0	800	200	1.20	10	10	800	-
S10ML	SMC	10.0	1000	200	1.20	10	10	1000	-
F1200D	R-6	12.0	150	390	0.87	5	12	150	-
GP1510	TO-220AC	15.0	1000	220	1.03	5	15	1000	-
GP1515	TO-220AC	15.0	1500	200	1.20	5	15	1500	-
GPD2006C	DPAK	20.0	600	250	1.00	5	20	600	-
GPB2506C	D2-PAK	25.0	600	300	1.10	5	25	600	-
GP3016	TO-220AC	30.0	1600	275	1.12	5	30	1600	-
GPB3016	D2-PAK	30.0	1600	275	1.30	5	30	1600	-
GP45160B	TO-247AD	45.0	1600	600	1.40	10	45	1600	-
GP60160B	TO-247AD	60.0	1600	950	1.30	5	60	1600	-
GP12022	TO-264P	120.0	2200	2200	1.31	100	120	2200	-

Fast Recovery Rectifiers

Fast Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
FM2000GP	SMA	0.5	2000	30	2.50	5	0.5	2000	0.5
R2000FGP	DO-41	0.5	2000	30	2.50	5	0.5	2000	0.5
1N4935GP	DO-41	1.0	200	30	1.20	5	1.0	200	0.2
1N4936GP	DO-41	1.0	400	30	1.20	5	1.0	400	0.2
1N4937GP	DO-41	1.0	600	30	1.20	5	1.0	600	0.2
1N4942GP	DO-41	1.0	200	25	1.30	5	1.0	200	0.15
1N4947GP	DO-41	1.0	800	25	1.30	5	1.0	800	0.25
1N4948GP	DO-41	1.0	1000	25	1.30	5	1.0	1000	0.5
BA158GP	DO-41	1.0	600	30	1.30	5	1.0	600	0.15
BA159GP	DO-41	1.0	1000	30	1.30	5	1.0	1000	0.25
FR104GP	DO-41	1.0	400	30	1.30	5	1.0	400	0.15
FR105GP	DO-41	1.0	600	30	1.30	5	1.0	600	0.25
FR107GP	DO-41	1.0	1000	30	1.30	5	1.0	1000	0.5
FR1D-L	SMB	1.0	200	30	1.30	5	1.0	200	0.15
FR1J-L	SMB	1.0	600	30	1.30	5	1.0	600	0.25
FR1K-L	SMB	1.0	800	30	1.30	5	1.0	800	0.5
FR1M-L	SMB	1.0	1000	30	1.30	5	1.0	1000	0.5
FS1GFL	DO-221AC	1.0	400	30	1.30	5	1.0	400	0.15
FS1JFL	DO-221AC	1.0	600	30	1.30	5	1.0	600	0.25
FS1MFL	DO-221AC	1.0	1000	30	1.30	5	1.0	1000	0.5
FS1G-L	SMA	1.0	400	30	1.30	5	1.0	400	0.15
FS1J-L	SMA	1.0	600	30	1.30	5	1.0	600	0.25
FS1M-L	SMA	1.0	1000	30	1.30	5	1.0	1000	0.5
FSM14PL	SOD-123FL	1.0	400	30	1.30	5	1.0	400	0.15
FSM15PL	SOD-123FL	1.0	600	30	1.30	5	1.0	600	0.25
FSM17PL	SOD-123FL	1.0	1000	30	1.30	5	1.0	1000	0.5
FSM14HL	SOD-123HL	1.0	400	30	1.30	5	1.0	400	0.15
FSM15HL	SOD-123HL	1.0	600	30	1.30	5	1.0	600	0.25
FSM17HL	SOD-123HL	1.0	1000	30	1.30	5	1.0	1000	0.5
FR151GP	DO-15	1.5	50	50	1.30	5	1.5	50	0.15
FR154GP	DO-15	1.5	400	50	1.30	5	1.5	400	0.15
FR155GP	DO-15	1.5	600	50	1.30	5	1.5	600	0.25
FR157GP	DO-15	1.5	1000	50	1.30	5	1.5	1000	0.5
FSM154PL	SOD-123FL	1.5	400	45	1.30	5	1.0	400	0.15
FSM155PL	SOD-123FL	1.5	600	45	1.30	5	1.0	600	0.25
FSM157PL	SOD-123FL	1.5	1000	45	1.30	5	1.0	1000	0.5
FR205GP	DO-15	2.0	600	60	1.30	5	2.0	600	0.25
FR206GP	DO-15	2.0	800	60	1.30	5	2.0	800	0.5
FR207GP	DO-15	2.0	1000	60	1.30	5	2.0	1000	0.5
FR2J-L	SMB	2.0	600	50	1.30	5	2.0	600	0.25
FR2K-L	SMB	2.0	800	50	1.30	5	2.0	800	0.5
FR2M-L	SMB	2.0	1000	50	1.30	5	2.0	1000	0.5
FR2GBFL	SMBF	2.0	400	50	1.30	5	2.0	400	0.15
FR2JBFL	SMBF	2.0	600	50	1.30	5	2.0	600	0.25

Fast Recovery Rectifiers

Fast Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
FR2MBFL	SMBF	2.0	1000	50	1.30	5	2.0	1000	0.5
FS2GFL	DO-221AC	2.0	400	50	1.30	5	2.0	400	0.15
FS2JFL	DO-221AC	2.0	600	50	1.30	5	2.0	600	0.25
FS2MFL	DO-221AC	2.0	1000	50	1.30	5	2.0	1000	0.5
FS2J-L	SMA	2.0	600	50	1.30	5	2.0	600	0.25
FS2K-L	SMA	2.0	800	50	1.30	5	2.0	800	0.5
FS2M-L	SMA	2.0	1000	50	1.30	5	2.0	1000	0.5
FSM24HL	SOD-123HL	2.0	400	50	1.30	5	2.0	400	0.15
FSM25HL	SOD-123HL	2.0	600	50	1.30	5	2.0	600	0.25
FSM27HL	SOD-123HL	2.0	1000	50	1.30	5	2.0	1000	0.5
FR304GP	DO-201AD	3.0	400	150	1.30	5	3.0	400	0.15
FR305GP	DO-201AD	3.0	600	150	1.30	5	3.0	600	0.25
FR307GP	DO-201AD	3.0	1000	150	1.30	5	3.0	1000	0.5
FR3GB	SMB	3.0	400	100	1.30	10	3.0	400	0.15
FR3JB	SMB	3.0	600	100	1.30	10	3.0	600	0.25
FR3MB	SMB	3.0	1000	100	1.30	10	3.0	1000	0.5
FR3B	SMC	3.0	100	100	1.30	10	3.0	100	0.15
FR3J	SMC	3.0	600	100	1.30	10	3.0	600	0.25
FR3K	SMC	3.0	800	100	1.30	10	3.0	800	0.5
FR3M	SMC	3.0	1000	100	1.30	10	3.0	1000	0.5
FR3GBFL	SMBF	3.0	400	100	1.30	5	3.0	400	0.15
FR3JBFL	SMBF	3.0	600	100	1.30	5	3.0	600	0.25
FR3MBFL	SMBF	3.0	1000	100	1.30	5	3.0	1000	0.5
FR4MBFL	SMBF	4.0	1000	120	1.30	5	4.0	1000	0.5
FR504GP	DO-201AD	5.0	400	200	1.35	10	5.0	400	0.15
FR505GP	DO-201AD	5.0	600	200	1.35	10	5.0	600	0.25
FR506GP	DO-201AD	5.0	800	200	1.35	10	5.0	800	0.5
FR604GP	R-6	6.0	400	200	1.30	10	6.0	400	0.15
FR605GP	R-6	6.0	600	200	1.30	10	6.0	600	0.25
FR607GP	R-6	6.0	1000	200	1.30	10	6.0	1000	0.5

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Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
ER1D-L	SMB	1	200	30	0.950	5	1	200	0.035
ER1G-L	SMB	1	400	30	1.250	5	1	400	0.035
ER1J-L	SMB	1	600	30	1.700	5	1	600	0.035
ER1Q-L	SMB	1	1200	30	1.850	5	1	1200	0.150
ES1D-L	SMA	1	200	30	0.950	1	1	200	0.035
ES1G-L	SMA	1	400	30	1.250	1	1	400	0.035
ES1J-L	SMA	1	600	30	1.700	1	1	600	0.035
ES1JFL	DO-221AC	1	600	30	1.700	5	1	600	0.035
ES1KFL	DO-221AC	1	800	30	1.850	5	1	800	0.035
ES1DHL	SOD-123HL	1	200	30	1.000	5	1	200	0.035
ES1GHL	SOD-123HL	1	400	30	1.300	5	1	400	0.035
ES1JHL	SOD-123HL	1	600	30	1.700	5	1	600	0.035
HER104G	DO-41	1	300	30	1.000	5	1	300	0.050
HER107G	DO-41	1	800	30	1.700	5	1	800	0.075
HER108G	DO-41	1	1000	30	1.700	5	1	1000	0.075
HS1K	SMA	1	800	30	2.200	5	1	800	0.035
MUR140GP	DO-41	1	400	35	1.350	5	1	400	0.045
MUR160GP	DO-41	1	600	35	1.350	5	1	600	0.060
MURS1D	SMA	1	200	30	0.920	5	1	200	0.015
MURS1DBL	SMB	1	200	40	0.900	2	1	200	0.025
MURS1G	SMA	1	400	30	1.250	5	1	400	0.025
MURS1J	SMA	1	600	30	1.250	5	1	600	0.050
MURS1JAFL	DO-221AC	1	600	30	1.400	5	1	600	0.035
MURS1JAL	SMA	1	600	30	1.400	5	1	600	0.035
MURS1JBL	SMB	1	600	35	1.250	5	1	600	0.050
MURS1JHL	SOD-123HL	1	600	30	1.250	5	1	600	0.050
MURS1JPL	SOD-123FL	1	600	30	1.250	5	1	600	0.050
SF14G	DO-41	1	200	30	0.950	5	1	200	0.035
SF16G	DO-41	1	400	30	1.300	5	1	400	0.035
SF18G	DO-41	1	600	30	1.700	5	1	600	0.035
SF1600	DO-15	1	1600	30	3.400	2.5	1	1600	0.075
SF18GL	DO-41	1	600	35	1.250	5	1	600	0.050
SFM14PL	SOD-123FL	1	200	30	0.950	5	1	200	0.035
SFM16PL	SOD-123FL	1	400	30	1.250	5	1	400	0.035
SFM18PL	SOD-123FL	1	600	30	1.700	5	1	600	0.035
UF1D	SMB	1	200	30	1.000	10	1	200	0.050
UF1G	SMB	1	400	30	1.400	10	1	400	0.050
UF1M	SMB	1	1000	30	1.700	10	1	1000	0.100
UF1Q	SMB	1	1200	30	1.900	5	1	1200	0.075
UF4004GP	DO-41	1	400	30	1.300	5	1	400	0.050
UF4005GP	DO-41	1	600	30	1.700	5	1	600	0.075
UF4007GP	DO-41	1	1000	30	1.700	5	1	1000	0.075
UF4012GP	DO-41	1	1200	30	1.850	5	1	1200	0.150
UFM13PL	SOD-123FL	1	200	30	1.000	10	1	200	0.035

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
UFM14PL	SOD-123FL	1	400	30	1.400	10	1	400	0.050
UFM17PL	SOD-123FL	1	1000	30	1.700	10	1	1000	0.075
UG1DPL	SOD-123FL	1	200	30	0.920	5	1	200	0.025
UG1GPL	SOD-123FL	1	400	30	1.250	5	1	400	0.025
UG1JPL	SOD-123FL	1	600	30	1.700	5	1	600	0.035
UG1D	SMA	1	200	30	0.920	5	1	200	0.025
UG1G	SMA	1	400	30	1.250	5	1	400	0.025
UG1DHL	SOD-123HL	1	200	30	0.920	5	1	200	0.025
UG1GHL	SOD-123HL	1	400	30	1.250	5	1	400	0.025
UG1JHL	SOD-123HL	1	600	30	1.700	5	1	600	0.035
US1DFL	DO-221AC	1	200	30	1.000	10	1	200	0.050
US1GFL	DO-221AC	1	400	30	1.400	10	1	400	0.050
US1JFL	DO-221AC	1	600	30	1.700	10	1	600	0.075
US1MFL	DO-221AC	1	1000	30	1.700	10	1	1000	0.075
US1D	SMA	1	200	30	1.000	5	1	200	0.050
US1G	SMA	1	400	30	1.400	5	1	400	0.050
US1J	SMA	1	600	30	1.700	5	1	600	0.075
US1M	SMA	1	1000	30	1.700	5	1	1000	0.075
US1DHL	SOD-123HL	1	200	30	1.000	5	1	200	0.050
US1GHL	SOD-123HL	1	400	30	1.300	5	1	400	0.050
US1MHL	SOD-123HL	1	1000	30	1.700	5	1	1000	0.075
US1ML	SMA	1	1000	30	1.500	5	1	1000	0.120
US1Q	SMA	1	1200	30	1.900	5	1	1200	0.075
ER2D-L	SMB	2	200	50	0.950	5	2	200	0.035
ER2G-L	SMB	2	400	50	1.250	5	2	400	0.035
ER2J-L	SMB	2	600	50	1.700	5	2	600	0.035
ER2DBFL	SMBF	2	200	50	0.950	5	2	200	0.035
ER2GBFL	SMBF	2	400	50	1.300	5	2	400	0.035
ER2JBFL	SMBF	2	600	50	1.700	5	2	600	0.035
ER2KBFL	SMBF	2	800	50	1.850	5	2	800	0.035
ES2DFL	DO-221AC	2	200	50	1.000	5	2	200	0.035
ES2GFL	DO-221AC	2	400	50	1.300	5	2	400	0.035
ES2JFL	DO-221AC	2	600	50	1.700	5	2	600	0.035
ES2KFL	DO-221AC	2	800	50	1.850	5	2	800	0.035
ES2D-L	SMA	2	200	50	0.950	1	2	200	0.035
ES2G-L	SMA	2	400	50	1.250	1	2	400	0.035
ES2J-L	SMA	2	600	50	1.700	1	2	600	0.035
ES2DHL	SOD-123HL	2	200	50	0.950	5	2	200	0.035
ES2GHL	SOD-123HL	2	400	50	1.300	5	2	400	0.035
ES2JHL	SOD-123HL	2	600	50	1.700	5	2	600	0.035
HER204G	DO-15	2	300	60	1.000	5	2	300	0.050
HER205G	DO-15	2	400	60	1.300	5	2	400	0.050
HER208G	DO-15	2	1000	60	1.700	5	2	1000	0.075
HS2K	SMB	2	800	50	1.850	5	2	800	0.035

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		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
MUR260GPL	DO-15	2	600	50	1.350	5	2	600	0.050
MURS2D	SMB	2	200	50	0.920	2	2	200	0.025
MURS2DBFL	SMBF	2	200	50	0.920	5	2	200	0.025
MURS2GBFL	SMBF	2	400	50	1.250	5	2	400	0.050
MURS2JBFL	SMBF	2	600	50	1.250	5	2	600	0.050
MURS2J	SMB	2	600	50	1.250	5	2	600	0.050
MURS2JA	SMA	2	600	50	1.250	5	2	600	0.050
MURS2JHL	SOD-123HL	2	600	50	1.250	5	2	600	0.050
SF24G	DO-15	2	200	50	0.950	5	2	200	0.035
SF26G	DO-15	2	400	50	1.300	5	2	400	0.035
SF28G	DO-15	2	600	50	1.700	5	2	600	0.035
SF26GS	DO-15	2	400	50	1.300	5	2	400	0.035
UG2DAFL	DO-221AC	2	200	65	0.930	2	2	200	0.025
UG2DHL	SOD-123HL	2	200	50	0.920	5	2	200	0.025
UG2GHL	SOD-123HL	2	400	50	1.250	5	2	400	0.025
UG2JHL	SOD-123HL	2	600	50	1.700	5	2	600	0.035
US2AA	SMA	2	50	50	1.000	5	2	50	0.050
US2DA	SMA	2	200	50	1.000	5	2	200	0.050
US2GA	SMA	2	400	50	1.400	5	2	400	0.050
US2JA	SMA	2	600	50	1.700	5	2	600	0.075
US2KA	SMA	2	800	50	1.700	5	2	800	0.075
US2MA	SMA	2	1000	50	1.700	5	2	1000	0.075
US2DFL	DO-221AC	2	200	50	1.000	5	1	200	0.050
US2GFL	DO-221AC	2	400	50	1.400	5	1	400	0.050
US2JFL	DO-221AC	2	600	50	1.700	5	1	600	0.075
US2MFL	DO-221AC	2	1000	50	1.700	5	1	1000	0.075
US2A	SMB	2	50	50	1.000	5	2	50	0.050
US2D	SMB	2	200	50	1.000	5	2	200	0.050
US2G	SMB	2	400	50	1.400	5	2	400	0.050
US2M	SMB	2	1000	50	1.650	5	2	1000	0.075
US2DBFL	SMBF	2	200	50	1.000	5	2	200	0.050
US2GBFL	SMBF	2	400	50	1.300	5	2	400	0.050
US2MBFL	SMBF	2	1000	50	1.700	5	2	1000	0.075
US2DHL	SOD-123HL	2	200	50	1.000	5	2	200	0.050
US2GHL	SOD-123HL	2	400	50	1.300	5	2	400	0.050
US2MHL	SOD-123HL	2	1000	50	1.700	5	2	1000	0.075
US2Q	SMB	2	1200	50	1.700	5	2	1200	0.100
ER3BB	SMB	3	100	100	0.950	5	3	100	0.035
ER3DB	SMB	3	200	100	0.950	5	3	200	0.035
ER3GB	SMB	3	400	100	1.250	5	3	400	0.035
ER3JB	SMB	3	600	100	1.700	5	3	600	0.035
ER3MB	SMB	3	1000	100	1.700	5	3	1000	0.075
ER3C	SMC	3	150	100	0.950	5	3	150	0.035
ER3D	SMC	3	200	100	0.950	5	3	200	0.035

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		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
ER3G	SMC	3	400	100	1.250	5	3	400	0.035
ER3J	SMC	3	600	100	1.700	5	3	600	0.035
ER3K	SMC	3	800	100	1.700	5	3	800	0.075
ER3M	SMC	3	1000	100	1.700	5	3	1000	0.075
ER3DBFL	SMBF	3	200	100	0.950	5	3	200	0.035
ER3GBFL	SMBF	3	400	100	1.300	5	3	400	0.035
ER3JBFL	SMBF	3	600	100	1.700	5	3	600	0.035
ER3KBFL	SMBF	3	800	100	1.850	5	3	800	0.035
ER3JL	SMC	3	600	120	1.250	5	3	600	0.050
HER304G	DO-201AD	3	300	125	0.950	10	3	300	0.050
HER305G	DO-201AD	3	400	125	1.300	10	3	400	0.050
HER308G	DO-201AD	3	1000	125	1.700	10	3	1000	0.075
MURS3D	SMC	3	200	100	0.920	5	3	200	0.035
MURS3DBFL	SMBF	3	200	100	0.920	5	3	200	0.035
MURS3GBFL	SMBF	3	400	100	1.250	5	3	400	0.050
MURS3JBFL	SMBF	3	600	100	1.250	5	3	600	0.050
MURS3G	SMC	3	400	100	1.000	5	3	400	0.035
MURS3GB	SMB	3	400	100	1.000	5	3	400	0.035
MURS3J	SMC	3	600	75	1.250	5	3	600	0.050
MURS3JAFL	DO-221AC	3	600	100	1.700	5	3	600	0.035
MURS3JB	SMB	3	600	100	1.250	10	3	600	0.050
SF34G	DO-201AD	3	200	125	0.950	5	3	200	0.035
SF36G	DO-201AD	3	400	125	1.270	5	3	400	0.035
SF38G	DO-201AD	3	600	125	1.750	5	3	600	0.035
SF36GE	DO-201AD	3	400	150	1.300	5	3	400	0.035
SF38GE	DO-201AD	3	600	150	1.700	5	3	600	0.035
UF5404GP	DO-201AD	3	400	100	1.300	10	3	400	0.050
UF5406GP	DO-201AD	3	600	100	1.700	10	3	600	0.075
UF5407GP	DO-201AD	3	800	100	1.700	10	3	800	0.075
UF5408GP	DO-201AD	3	1000	100	1.700	10	3	1000	0.075
UG3DB	SMB	3	200	90	0.920	5	3	200	0.025
UG3GB	SMB	3	400	90	1.250	5	3	400	0.025
UG3DAFL	DO-221AC	3	200	85	0.930	2	3	200	0.035
US3DBFL	SMBF	3	200	100	1.000	5	3	200	0.050
US3GBFL	SMBF	3	400	100	1.300	5	3	400	0.050
US3MBFL	SMBF	3	1000	100	1.700	5	3	1000	0.075
MUR420GP	DO-201AD	4	200	150	1.000	10	4	200	0.025
MUR460GP	DO-201AD	4	600	150	1.280	10	4	600	0.050
MUR4100GP	DO-201AD	4	1000	150	1.850	10	4	1000	0.075
MURD420	DPAK	4	200	90	0.840	100	4	200	0.028
MURS4D	SMC	4	200	125	0.920	5	4	200	0.025
MURS4J	SMC	4	600	125	1.280	5	4	600	0.050
MURS4JBFL	SMBF	4	600	100	1.250	5	4	600	0.050
ER5D	SMC	5	200	175	1.000	10	5	200	0.035

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		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
ERSG	SMC	5	400	175	1.300	10	5	400	0.035
ERSJ	SMC	5	600	175	1.700	10	5	600	0.035
HER505GP	DO-201AD	5	400	160	1.300	5	5	400	0.050
HER508GP	DO-201AD	5	1000	160	1.700	5	5	1000	0.075
MUR5U60	TO-277	5	600	120	1.500	5	5	600	0.050
MURD560C	DPAK	5	600	110	1.400	10	5	600	0.035
MURS520A	TO-220AC	5	200	70	1.000	5	5	200	0.035
MURS520FA	ITO-220AC	5	200	70	1.000	5	5	200	0.035
MURS540A	TO-220AC	5	400	70	1.250	5	5	400	0.035
MURS540FA	ITO-220AC	5	400	70	1.250	5	5	400	0.035
MURS560A	TO-220AC	5	600	70	1.600	5	5	600	0.035
MURS560FA	ITO-220AC	5	600	70	1.600	5	5	600	0.035
MURS5J	SMC	5	600	120	1.250	5	5	600	0.035
MURSD520A	DPAK	5	200	70	1.000	5	5	200	0.035
MURSD540A	DPAK	5	400	70	1.250	5	5	400	0.035
MURSD560A	DPAK	5	600	70	1.600	5	5	600	0.035
SF54G	DO-201AD	5	200	150	0.950	5	5	200	0.035
SF56G	DO-201AD	5	400	150	1.270	5	5	400	0.035
SF58G	DO-201AD	5	600	150	1.750	5	5	600	0.035
USSD	SMC	5	200	150	1.000	10	5	200	0.050
USSG	SMC	5	400	150	1.300	10	5	400	0.050
USSM	SMC	5	1000	150	1.700	10	5	1000	0.075
HER606GP	R-6	6	600	200	1.700	10	6	600	0.075
HER607GP	R-6	6	800	200	1.700	10	6	800	0.075
HER608GP	R-6	6	1000	200	1.700	10	6	1000	0.075
SF64G	DO-201AD	6	200	150	0.975	5	6	200	0.035
SF66G	DO-201AD	6	400	150	1.300	5	6	400	0.035
SF68G	DO-201AD	6	600	150	1.700	5	6	600	0.035
MUR820	TO-220AC	8	200	125	0.975	5	8	200	0.035
MUR840	TO-220AC	8	400	125	1.300	5	8	400	0.050
MUR860	TO-220AC	8	600	125	1.500	5	8	600	0.050
MUR8100F	ITO-220AC	8	1000	150	1.700	10	8	1000	0.090
MUR820F	ITO-220AC	8	200	125	0.975	5	8	200	0.035
MUR860F	ITO-220AC	8	600	125	1.500	5	8	600	0.050
MUR820H	TO-220AC	8	200	150	1.160	10	8	200	0.025
MURD860	DPAK	8	600	80	3.000	10	8	600	0.025
MURD880	DPAK	8	800	80	2.400	10	8	800	0.033
MURS8120A	TO-220AC	8	1200	60	2.500	5	8	1200	0.075
MURS8120FA	ITO-220AC	8	1200	60	2.500	5	8	1200	0.075
MURS820A	TO-220AC	8	200	100	1.000	5	8	200	0.035
MURS820FA	ITO-220AC	8	200	100	1.000	5	8	200	0.035
MURS840A	TO-220AC	8	400	100	1.250	5	8	400	0.035
MURS840FA	ITO-220AC	8	400	100	1.250	5	8	400	0.035
MURS860A	TO-220AC	8	600	100	1.600	5	8	600	0.035

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
MURS860B	TO-220AC	8	600	70	3.600	10	8	600	0.040
MURS860FA	ITO-220AC	8	600	100	1.600	5	8	600	0.035
MURS860FB	ITO-220AC	8	600	70	3.600	10	8	600	0.040
MURS865FA	ITO-220AC	8	650	75	1.600	5	8	650	0.035
MURSB8120A	D2-PAK	8	1200	60	2.500	5	8	1200	0.075
MURSD820A	DPAK	8	200	100	1.000	5	8	200	0.035
MURSD840A	DPAK	8	400	100	1.250	5	8	400	0.035
MURSD860A	DPAK	8	600	100	1.600	5	8	600	0.035
MURSD860B	DPAK	8	600	70	3.600	10	8	600	0.040
MUR1020FCT	ITO-220AB	10	200	80	0.975	10	5	200	0.035
MUR1040FCT	ITO-220AB	10	400	80	1.300	10	5	400	0.050
MUR1060FCT	ITO-220AB	10	600	80	1.500	10	5	600	0.050
MUR1040	TO-220AC	10	400	100	1.500	5	10	400	0.050
MUR1060	TO-220AC	10	600	100	1.500	5	10	600	0.050
MUR1020CT	TO-220AB	10	200	80	0.975	10	5	200	0.035
MUR1040CT	TO-220AB	10	400	80	1.250	10	5	400	0.050
MUR1020F	ITO-220AC	10	200	125	1.150	5	10	200	0.035
MUR1040F	ITO-220AC	10	400	125	1.500	5	10	400	0.050
MUR1060F	ITO-220AC	10	600	125	1.600	5	10	600	0.050
MUR1080CT	TO-220AB	10	800	100	1.850	5	5	800	0.075
MURB10120C	D2-PAK	10	1200	110	2.400	10	10	1200	0.075
MURS1020A	TO-220AC	10	200	120	1.000	5	10	200	0.035
MURS1020CTA	TO-220AB	10	200	70	1.000	5	5	200	0.035
MURS1020FA	ITO-220AC	10	200	120	1.000	5	10	200	0.035
MURS1020FCTA	ITO-220AB	10	200	70	1.000	5	5	200	0.035
MURS1040A	TO-220AC	10	400	120	1.250	5	10	400	0.035
MURS1040CTA	TO-220AB	10	400	70	1.250	5	5	400	0.035
MURS1040FA	ITO-220AC	10	400	120	1.250	5	10	400	0.035
MURS1040FCTA	ITO-220AB	10	400	70	1.250	5	5	400	0.035
MURS1060A	TO-220AC	10	600	120	1.600	5	10	600	0.035
MURS1060CTA	TO-220AB	10	600	70	1.600	5	5	600	0.035
MURS1060FA	ITO-220AC	10	600	120	1.600	5	10	600	0.035
MURS1060FCTA	ITO-220AB	10	600	70	1.600	5	5	600	0.035
MURS1060FL	ITO-220AC	10	600	100	1.300	5	15	600	0.075
MURS1060L	TO-220AC	10	600	100	1.300	5	15	600	0.075
MURSB1020CTA	D2-PAK	10	200	70	1.000	5	5	200	0.035
MURSB1040CTA	D2-PAK	10	400	70	1.250	5	5	400	0.035
MURSB1060CTA	D2-PAK	10	600	70	1.600	5	5	600	0.035
MURSD1020A	DPAK	10	200	120	1.000	5	10	200	0.035
MURSD1020CTA	DPAK	10	200	70	1.000	5	5	200	0.035
MURSD1040A	DPAK	10	400	120	1.250	5	10	400	0.035
MURSD1040CTA	DPAK	10	400	70	1.250	5	5	400	0.035
MURSD1060A	DPAK	10	600	120	1.600	5	10	600	0.035
MURSD1060CTA	DPAK	10	600	70	1.600	5	5	600	0.035

Super Fast Recovery Rectifiers

Super Fast Recovery Rectifiers

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Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
MURSD1060L	DPAK	10	600	100	1.300	5	15	600	0.075
SF1040FCT	ITO-220AB	10	400	80	1.300	5	5	400	0.035
MUR15120	TO-220AC	15	1200	150	2.400	10	15	1200	0.075
MUR15120F	ITO-220AC	15	1200	110	2.700	10	15	1200	0.065
MUR15120FL	ITO-220AC	15	1200	110	3.200	5	15	1200	0.060
MUR1560HS	TO-220AC	15	600	330	1.500	10	15	600	0.050
MURB15120C	D2-PAK	15	1200	150	2.400	10	15	1200	0.075
MURS1560A	TO-220AC	15	600	160	1.600	5	15	600	0.040
MURS1560B	TO-220AC	15	600	160	2.800	10	15	600	0.025
MURS1560FA	ITO-220AC	15	600	160	1.600	5	15	600	0.040
MURS1560FB	ITO-220AC	15	600	160	2.800	10	15	600	0.025
MURS1560FL	ITO-220AC	15	600	160	1.500	10	15	600	0.075
MURS1560L	TO-220AC	15	600	160	1.500	10	15	600	0.075
MURSB1520	D2-PAK	15	200	200	1.020	10	15	200	0.035
MURSB1560	D2-PAK	15	600	180	1.550	10	15	600	0.040
MUR1620CT	TO-220AB	16	200	100	0.975	5	8	200	0.035
MUR1640CT	TO-220AB	16	400	100	1.300	5	8	400	0.050
MUR1660CT	TO-220AB	16	600	100	1.700	5	8	600	0.050
MUR1620FCT	ITO-220AB	16	200	120	0.950	5	8	200	0.035
MUR1640FCT	ITO-220AB	16	400	120	1.300	5	8	400	0.050
MUR1660FCT	ITO-220AB	16	600	120	1.700	5	8	600	0.050
MUR1660F	ITO-220AC	16	600	200	1.500	5	16	600	0.050
MUR1660	TO-220AC	16	600	200	1.500	5	16	600	0.050
MURBF1660C	TO-263AC	16	600	200	1.300	10	16	600	0.055
MURBF1660CT	TO-263AC	16	600	120	1.500	10	8	600	0.035
MURS1660CT	TO-220AB	16	600	125	1.600	10	8	600	0.035
MURS1620CTA	TO-220AB	16	200	100	1.000	5	8	200	0.035
MURS1620FCTA	ITO-220AB	16	200	100	1.000	5	8	200	0.035
MURS1640CTA	TO-220AB	16	400	100	1.250	5	8	400	0.035
MURS1640FCTA	ITO-220AB	16	400	100	1.250	5	8	400	0.035
MURS1660CTA	TO-220AB	16	600	100	1.600	5	8	600	0.035
MURS1660FCTA	ITO-220AB	16	600	100	1.600	5	8	600	0.035
MURSB1620CTA	D2-PAK	16	200	100	1.000	5	8	200	0.035
MURSB1640CTA	D2-PAK	16	400	100	1.250	5	8	400	0.035
MURSB1660CTA	D2-PAK	16	600	100	1.600	5	8	600	0.035
MURSD1620CTA	DPAK	16	200	100	1.000	5	8	200	0.035
MURSD1640CTA	DPAK	16	400	100	1.250	5	8	400	0.035
MURSD1660CTA	DPAK	16	600	100	1.600	5	8	600	0.035
SF1640CT	TO-220AB	16	400	100	1.300	10	8	1200	0.035
SF1660CT	TO-220AB	16	600	100	1.700	10	8	600	0.035
MUR2020CT	TO-220AB	20	200	125	0.975	10	10	200	0.035
MUR2040CT	TO-220AB	20	400	125	1.300	10	10	400	0.050
MUR2060CT	TO-220AB	20	600	125	1.500	10	10	600	0.050
MUR2020FCT	ITO-220AB	20	200	125	0.975	1	10	200	0.035

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)
MUR2040FCT	ITO-220AB	20	400	125	1.300	1	10	400	0.050
MUR2060FCT	ITO-220AB	20	600	125	1.500	1	10	600	0.050
MUR2030PT	TO-247	20	300	125	1.200	10	10	300	0.030
MURB2020C	D2-PAK	20	200	350	1.150	10	20	200	0.035
MURS2020CTA	TO-220AB	20	200	120	1.000	5	10	200	0.035
MURS2020FCTA	ITO-220AB	20	200	120	1.000	5	10	200	0.035
MURS2040CTA	TO-220AB	20	400	120	1.250	5	10	400	0.035
MURS2040FCTA	ITO-220AB	20	400	120	1.250	5	10	400	0.035
MURS2060CTA	TO-220AB	20	600	120	1.600	5	10	600	0.035
MURS2060FCTA	ITO-220AB	20	600	120	1.600	5	10	600	0.035
MURS2060FS	ITO-220AC	20	600	160	1.700	5	20	600	0.040
MURSB2020CTA	D2-PAK	20	200	120	1.000	5	10	200	0.035
MURSB2040CTA	D2-PAK	20	400	120	1.250	5	10	400	0.035
MURSB2060CTA	D2-PAK	20	600	120	1.600	5	10	600	0.035
UG2030FCTH	ITO-220AB	20	300	150	1.250	10	10	300	0.025
UGJL2030CTH	TO-262L	20	300	150	1.250	10	10	300	0.025
MUR30120BH	TO-247AD	30	1200	300	2.400	5	30	1200	0.075
MUR30120BS	TO-247AD	30	1200	210	3.300	5	30	1200	0.038
MUR30120PT	TO-247	30	1200	100	2.900	10	15	1200	0.055
MUR3030PT	TO-247	30	300	180	1.350	5	15	300	0.035
MUR3040PT	TO-247	30	400	140	1.450	10	15	400	0.045
MUR3060BS	TO-247AD	30	600	300	1.800	5	30	600	0.045
MUR3060PTH	TO-247	30	600	150	1.600	5	15	600	0.035
MUR3065B	TO-247AD	30	650	300	1.800	10	30	650	0.050
MURBF3060CT	TO-263AC	30	600	200	1.150	10	15	600	0.055
MURS3060	TO-220AC	30	600	200	1.700	50	30	600	0.050
MURS3060A	TO-220AC	30	600	300	1.600	5	30	600	0.035
MURS3060F	ITO-220AC	30	600	200	2.000	5	30	600	0.035
MURSB3060C	D2-PAK	30	600	300	1.600	5	30	600	0.035
MUR60120B	TO-247AD	60	1200	500	3.300	15	60	1200	0.085
MUR60120BH	TO-247AD	60	1200	500	3.300	5	60	1200	0.085
MUR60120BS	TO-247AD	60	1200	400	3.300	5	60	1200	0.045
MUR6040B	TO-247AD	60	400	500	1.700	10	60	400	0.075
MUR6040PTS	TO-247	60	400	300	1.400	5	30	400	0.036
MUR6060B	TO-247AD	60	600	600	1.700	10	60	600	0.075
MUR6060BH	TO-247AD	60	600	600	2.400	10	60	600	0.075
MUR6060BS	TO-247AD	60	600	500	2.500	5	60	600	0.035
MUR6060PTH	TO-247	60	600	300	1.600	5	30	600	0.112
MUR6065B	TO-247AD	60	650	500	1.900	200	60	650	0.045
MUR7560B	TO-247AD	75	600	500	2.000	5	60	600	0.035

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Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (μ A)	I_{FM} (A)	V_R (V)	
1N5817	DO-41	1	20	30	0.45	100	1	20	No
1N5818	DO-41	1	30	30	0.5	100	1	30	No
1N5819	DO-41	1	40	30	0.6	100	1	40	No
SK14-L	SMB	1	40	30	0.5	100	1	40	No
SK16-L	SMB	1	60	30	0.7	100	1	60	No
SK110-L	SMB	1	100	30	0.85	10	1	100	No
SK1200-L	SMB	1	200	30	0.9	10	1	200	No
SL115B	SMB	1	15	50	0.25	500	1	15	Yes
SL145PE	SOD-323HE	1	45	25	0.4	200	0.5	45	Yes
SL16PE	SOD-323HE	1	60	25	0.45	100	0.5	60	Yes
SL14A	SMA	1	40	28	0.4	100	1	40	Yes
SL16A	SMA	1	60	28	0.55	100	1	60	Yes
SL110A	SMA	1	100	28	0.6	100	1	100	Yes
SL14HL	SOD-123HL	1	40	28	0.45	100	1	40	Yes
SL16HL	SOD-123HL	1	60	28	0.55	100	1	60	Yes
SL110HL	SOD-123HL	1	100	28	0.6	100	1	100	Yes
SL16PL	SOD-123FL	1	60	28	0.55	100	1	60	Yes
SL110PL	SOD-123FL	1	100	28	0.6	100	1	100	Yes
SM5817PL	SOD-123FL	1	20	30	0.45	50	1	20	No
SM5819PL	SOD-123FL	1	40	30	0.53	50	1	40	No
SMD110PE	SOD-323HE	1	100	30	0.85	10	1	100	No
SMD120PE	SOD-323HE	1	200	30	0.9	10	1	100	No
SMD110PLS	SOD-123TFL	1	100	30	0.85	10	1	100	No
SMD14HL	SOD-123HL	1	40	30	0.5	100	1	40	No
SMD16HL	SOD-123HL	1	60	30	0.7	100	1	60	No
SMD110HL	SOD-123HL	1	100	30	0.85	10	1	100	No
SMD120HL	SOD-123HL	1	200	30	0.9	10	1	200	No
SMD14PE	SOD-323HE	1	40	30	0.52	50	1	40	No
SMD16PE	SOD-323HE	1	60	30	0.7	50	1	60	No
SMD16PL	SOD-123FL	1	60	30	0.7	100	1	60	No
SMD18PL	SOD-123FL	1	80	30	0.85	10	1	80	No
SMD110PL	SOD-123FL	1	100	30	0.85	10	1	100	No
SMD1150PL	SOD-123FL	1	150	30	0.85	10	1	150	No
SMD1200PL	SOD-123FL	1	200	30	0.95	10	1	200	No
SR106	DO-41	1	60	30	0.7	100	1	60	No
SR1010	DO-41	1	100	30	0.85	10	1	100	No
SR1200	DO-41	1	200	30	0.9	10	1	200	No
SS14FL	DO-221AC	1	40	30	0.5	100	1	40	No
SS16FL	DO-221AC	1	60	30	0.7	100	1	60	No
SS110FL	DO-221AC	1	100	30	0.85	10	1	100	No
SS1200FL	DO-221AC	1	200	30	0.9	10	1	200	No
SS14-L	SMA	1	40	30	0.5	100	1	40	No
SS16-L	SMA	1	60	30	0.7	100	1	60	No
SS110-L	SMA	1	100	30	0.85	10	1	100	No

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (μ A)	I_{FM} (A)	V_R (V)	
SS1150-L	SMA	1	150	30	0.9	10	1	150	No
SS1200-L	SMA	1	200	30	0.92	10	1	200	No
SS13L-L	SMA	1	30	40	0.5	20	1	30	No
SS14HL	SOD-323HL	1	40	30	0.55	500	1	40	No
SS16HL	SOD-323HL	1	60	25	0.7	100	1	60	No
SS110HL	SOD-323HL	1	100	25	0.85	10	1	100	No
SS120HL	SOD-323HL	1	200	25	0.9	10	1	200	No
SB2010L	DO-15	2	100	35	0.75	100	2	100	No
SB240	DO-15	2	40	50	0.5	100	2	40	No
SB245	DO-15	2	45	50	0.5	100	2	45	No
SB260	DO-15	2	60	50	0.7	100	2	60	No
SB2010	DO-15	2	100	50	0.85	10	2	100	No
SB2150	DO-15	2	150	50	0.85	10	2	150	No
SB2200	DO-15	2	200	50	0.85	10	2	200	No
SK225L	SMA	2	25	50	0.55	500	2	25	No
SK24-L	SMB	2	40	50	0.5	100	2	40	No
SK26-L	SMB	2	60	50	0.7	100	2	60	No
SK210-L	SMB	2	100	50	0.85	10	2	100	No
SK2150-L	SMB	2	150	50	0.9	10	2	150	No
SK220-L	SMB	2	200	50	0.9	10	2	200	No
SL24A	SMA	2	40	50	0.47	100	2	40	Yes
SL26A	SMA	2	60	50	0.55	100	2	60	Yes
SL210A	SMA	2	100	50	0.75	100	2	100	Yes
SL24B	SMB	2	40	50	0.47	100	2	40	No
SL26B	SMB	2	60	50	0.55	100	2	60	No
SL210B	SMB	2	100	50	0.75	100	2	100	No
SL24FL	DO-221AC	2	40	50	0.47	100	2	40	Yes
SL26FL	DO-221AC	2	60	50	0.55	100	2	60	Yes
SL210FL	DO-221AC	2	100	50	0.75	100	2	100	Yes
SL24HL	SOD-123HL	2	40	50	0.47	100	2	40	Yes
SL26HL	SOD-123HL	2	60	50	0.55	100	2	60	Yes
SL210HL	SOD-123HL	2	100	50	0.75	100	2	100	Yes
SL24PL	SOD-123FL	2	40	50	0.47	100	2	40	Yes
SL26PL	SOD-123FL	2	60	50	0.55	100	2	60	Yes
SL210PL	SOD-123FL	2	100	50	0.72	100	2	100	Yes
SMD210HPL	SOD-123FL	2	100	50	0.85	5	2	100	No
SMD2150PL	SOD-123FL	2	150	50	0.9	10	2	150	No
SMD220PL	SOD-123FL	2	200	50	0.9	10	2	200	No
SMD22PL	SOD-123FL	2	20	50	0.5	100	2	20	No
SMD24PL	SOD-123FL	2	40	50	0.5	100	2	40	No
SMD26PL	SOD-123FL	2	60	50	0.7	100	2	60	No
SMD210PL	SOD-123FL	2	100	50	0.85	10	2	100	No
SMD23PE	SOD-323HE	2	30	30	0.6	50	2	30	Yes
SMD24HL	SOD-123HL	2	40	50	0.5	100	2	40	No

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Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (μ A)	I_{FM} (A)	V_R (V)	
SMD26HL	SOD-123HL	2	60	50	0.7	100	2	60	No
SMD210HL	SOD-123HL	2	100	50	0.85	10	2	100	No
SMD220HL	SOD-123HL	2	200	50	0.9	10	2	200	No
SR204	DO-41	2	40	50	0.5	100	2	40	No
SR206	DO-41	2	60	50	0.7	100	2	60	No
SR2010	DO-41	2	100	50	0.85	10	2	100	No
SS210H-L	SMA	2	100	50	0.85	5	2	100	No
SS220FL	DO-221AC	2	200	50	0.9	10	2	200	No
SS24FL	DO-221AC	2	40	50	0.5	100	2	40	No
SS26FL	DO-221AC	2	60	50	0.7	100	2	60	No
SS210FL	DO-221AC	2	100	50	0.85	10	2	100	No
SS24-L	SMA	2	40	50	0.5	100	2	40	No
SS26-L	SMA	2	60	50	0.7	100	2	60	No
SS210-L	SMA	2	100	50	0.85	10	2	100	No
SS2150-L	SMA	2	150	50	0.9	10	2	150	No
SS220-L	SMA	2	200	50	0.9	10	2	200	No
1N5820	DO-201AD	3	20	80	0.475	100	3	20	No
1N5821	DO-201AD	3	30	80	0.5	100	3	30	No
1N5822	DO-201AD	3	40	80	0.525	100	3	40	No
MBR3U200	TO-277	3	200	240	0.85	50	3	200	No
SK310AFLH	DO-221AC	3	100	70	0.835	5	3	100	No
SK3150AFLH	DO-221AC	3	150	70	0.875	5	3	150	No
SK3200AFLH	DO-221AC	3	200	70	0.875	5	3	200	No
SK310H	SMC	3	100	100	0.78	10	3	100	No
SK3150	SMC	3	150	80	0.86	10	3	150	No
SK3150A-L	SMA	3	150	80	0.86	10	3	150	No
SK3150B-L	SMB	3	150	80	0.86	10	3	150	No
SK3200	SMC	3	200	100	0.86	10	3	200	No
SK3200AFL	DO-221AC	3	200	80	0.86	10	3	200	No
SK3200A-L	SMA	3	200	80	0.86	10	3	200	No
SK3200B-L	SMB	3	200	100	0.86	2	3	200	No
SK34AFL	DO-221AC	3	40	80	0.5	100	3	40	No
SK345AFL	DO-221AC	3	45	80	0.5	100	3	45	No
SK36AFL	DO-221AC	3	60	80	0.75	100	3	60	No
SK310AFL	DO-221AC	3	100	80	0.85	100	3	100	No
SK34A-L	SMA	3	40	80	0.5	100	3	40	No
SK345A-L	SMA	3	45	80	0.5	100	3	45	No
SK36A-L	SMA	3	60	80	0.75	100	3	60	No
SK310A-L	SMA	3	100	80	0.85	100	3	100	No
SK34B-L	SMB	3	40	100	0.5	100	3	40	No
SK36B-L	SMB	3	60	100	0.75	100	3	60	No
SK310B-L	SMB	3	100	100	0.85	100	3	100	No
SK34	SMC	3	40	100	0.5	100	3	40	No
SK36	SMC	3	60	100	0.75	100	3	60	No

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (μ A)	I_{FM} (A)	V_R (V)	
SK310	SMC	3	100	100	0.85	100	3	100	No
SK34AL-TPS02	SMA	3	40	90	0.43	100	3	40	Yes
SK34BFL	SMBF	3	40	70	0.5	100	3	40	No
SK36BFL	SMBF	3	60	70	0.7	100	3	60	No
SK310BFL	SMBF	3	100	70	0.85	10	3	100	No
SK320BFL	SMBF	3	200	70	0.9	10	3	200	No
SK36BH-L	SMB	3	60	100	0.75	100	3	60	No
SL310BFL	SMBF	3	100	60	0.6	100	3	100	Yes
SL32PL	SOD-123FL	3	20	80	0.45	200	3	20	No
SL345A	SMA	3	45	60	0.45	100	3	45	Yes
SL34AFL	DO-221AC	3	40	60	0.45	100	3	40	Yes
SL36AFL	DO-221AC	3	60	60	0.5	100	3	60	Yes
SL310AFL	DO-221AC	3	100	60	0.6	100	3	100	Yes
SL34A	SMA	3	40	60	0.45	100	3	40	Yes
SL36A	SMA	3	60	60	0.5	100	3	60	Yes
SL310A	SMA	3	100	60	0.6	100	3	100	Yes
SL34BFL	SMBF	3	40	60	0.45	200	3	40	Yes
SL34B	SMB	3	40	60	0.45	100	3	40	Yes
SL36B	SMB	3	60	60	0.5	100	3	60	Yes
SL310B	SMB	3	100	60	0.6	100	3	100	Yes
SL34HL	SOD-123HL	3	40	60	0.45	100	3	40	Yes
SL36HL	SOD-123HL	3	60	60	0.5	100	3	60	Yes
SL310HL	SOD-123HL	3	100	60	0.6	100	3	100	Yes
SL36BFL	SMBF	3	60	60	0.5	200	3	60	Yes
SMD34PL	SOD-123FL	3	40	80	0.5	100	3	40	No
SMD36PL	SOD-123FL	3	60	80	0.65	100	3	60	No
SMD310PL	SOD-123FL	3	100	80	0.85	100	3	100	No
SMD315PL	SOD-123FL	3	150	80	0.9	100	3	150	No
SMD320PL	SOD-123FL	3	200	80	0.9	100	3	200	No
SMD34HE1	SOD-123HE1	3	40	80	0.52	50	3	40	No
SMD36HE1	SOD-123HE1	3	60	80	0.65	50	3	60	No
SMD310HE1	SOD-123HE1	3	100	80	0.8	10	3	100	No
SMD320HE1	SOD-123HE1	3	200	80	0.85	10	3	200	No
SMD34HL	SOD-123HL	3	40	80	0.5	100	3	40	No
SMD36HL	SOD-123HL	3	60	80	0.7	100	3	60	No
SMD310HL	SOD-123HL	3	100	80	0.85	10	3	100	No
SMD320HL	SOD-123HL	3	200	80	0.9	10	3	200	No
SR304	DO-201AD	3	40	80	0.5	100	3	40	No
SR345	DO-201AD	3	45	80	0.5	100	3	45	No
SR306	DO-201AD	3	60	80	0.72	100	3	60	No
SR3010	DO-201AD	3	100	80	0.85	100	3	100	No
SR3150	DO-201AD	3	150	80	0.92	10	3	150	No
SR3200	DO-201AD	3	200	80	0.9	10	3	200	No
SK4200L	SMC	4	200	100	0.86	10	4	200	No

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Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (μ A)	I_{FM} (A)	V_R (V)	
SK44BL	SMB	4	40	100	0.45	100	4	40	Yes
SK44L	SMC	4	40	150	0.45	100	4	40	No
MBR5200HL	TO-220AC	5	200	150	0.85	10	5	200	No
MBR545	TO-220AC	5	45	150	0.6	10	5	45	No
MBR545F	ITO-220AC	5	45	80	0.55	100	5	45	No
MBR5U100	TO-277	5	100	120	0.54	100	5	100	No
MBR5U100H	TO-277	5	100	240	0.8	10	5	100	No
MBR5U45	TO-277	5	45	130	0.47	200	5	45	No
MBR5U60	TO-277	5	60	150	0.55	100	5	60	No
MBRD5100	DPAK	5	100	80	0.72	3	5	100	No
MBRD5100HL	DPAK	5	100	100	0.73	3.5	5	100	No
MBRD5200	DPAK	5	200	130	0.86	5	5	200	No
MBRD5200CT	DPAK	5	200	140	0.84	5	2.5	200	No
SK510BFL	SMBF	5	100	120	0.85	5	5	100	No
SK510BH-L	SMB	5	100	100	0.85	5	5	100	No
SK5150A-L	SMA	5	150	100	0.9	10	5	150	No
SK5200A-L	SMA	5	200	100	0.9	10	5	200	No
SK5150L	SMC	5	150	150	0.87	10	5	150	No
SK5200L	SMC	5	200	150	0.9	10	5	200	No
SK520BFL	SMBF	5	200	100	0.9	10	5	200	No
SK54AFL	DO-221AC	5	40	100	0.55	100	5	40	No
SK56AFL	DO-221AC	5	60	100	0.7	100	5	60	No
SK510AFL	DO-221AC	5	100	100	0.85	10	5	100	No
SK5150AFL	DO-221AC	5	150	100	0.87	10	5	150	No
SK5200AFL	DO-221AC	5	200	100	0.9	10	5	200	No
SK54A-L	SMA	5	40	100	0.55	100	5	40	No
SK56A-L	SMA	5	60	100	0.7	100	5	60	No
SK510A-L	SMA	5	100	100	0.85	10	5	100	No
SK54B-L	SMB	5	40	100	0.55	100	5	40	No
SK56B-L	SMB	5	60	100	0.7	100	5	60	No
SK510B-L	SMB	5	100	100	0.85	10	5	100	No
SK5150B-L	SMB	5	150	100	0.87	10	5	150	No
SK520B-L	SMB	5	200	100	0.9	10	5	200	No
SK54L	SMC	5	40	100	0.55	100	5	40	No
SK56L	SMC	5	60	100	0.75	100	5	60	No
SK510L	SMC	5	100	100	0.85	10	5	100	No
SK54BFL	SMBF	5	40	100	0.6	100	5	40	No
SK56BFL	SMBF	5	60	100	0.7	100	5	60	No
SL545BFL	SMBF	5	45	120	0.45	500	5	45	Yes
SL54AFL	DO-221AC	5	40	100	0.45	100	5	40	Yes
SL56AFL	DO-221AC	5	60	100	0.5	100	5	60	Yes
SL510AFL	DO-221AC	5	100	100	0.7	100	5	100	Yes
SL54B	SMB	5	40	100	0.45	100	5	40	Yes
SL56B	SMB	5	60	100	0.5	100	5	60	Yes

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Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (μ A)	I_{FM} (A)	V_R (V)	
SL510B	SMB	5	100	100	0.65	100	5	100	Yes
SL54	SMC	5	40	100	0.45	100	5	40	Yes
SL56	SMC	5	60	100	0.5	100	5	60	Yes
SL510	SMC	5	100	100	0.7	100	5	100	Yes
SL56A	SMA	5	60	100	0.55	100	5	60	Yes
SL56BFL	SMBF	5	60	120	0.5	500	5	60	Yes
SR5010H	DO-201AD	5	100	150	0.8	20	5	100	No
SR5010HL	DO-201AD	5	100	200	0.78	20	5	100	No
SR5010L	DO-201AD	5	100	80	0.7	100	5	100	No
SR504	DO-201AD	5	40	150	0.55	100	5	40	No
SR506	DO-201AD	5	60	150	0.7	100	5	60	No
SR5010	DO-201AD	5	100	150	0.85	100	5	100	No
SR506HL	DO-201AD	5	60	220	0.62	100	5	60	No
SR506L	DO-201AD	5	60	120	0.49	100	5	60	Yes
SR5150	DO-201AD	5	150	150	0.92	10	5	150	No
SR5150H	DO-201AD	5	150	150	0.85	0.5	5	150	No
SR5200H	DO-201AD	5	200	150	0.9	0.5	5	200	No
SR5150L	DO-201AD	5	150	150	0.8	10	5	150	Yes
SR5200L	DO-201AD	5	200	150	0.8	10	5	200	Yes
SR5200	DO-201AD	5	200	150	0.9	10	5	200	No
SR545L	DO-201AD	5	45	120	0.49	200	5	45	Yes
SK645L	SMC	6	45	150	0.65	100	6	45	No
SK610L	SMC	6	100	150	0.85	100	6	100	No
MBR740	TO-220AC	7.5	40	150	0.84	100	15	40	No
MBR745	TO-220AC	7.5	45	150	0.84	100	15	45	No
MBR760	TO-220AC	7.5	60	150	0.75	50	7.5	60	No
MBR870	TO-220AC	8	70	125	0.85	100	8	70	No
MBR880	TO-220AC	8	80	125	0.85	100	8	80	No
MBR890	TO-220AC	8	90	125	0.85	100	8	90	No
MBR8100	TO-220AC	8	100	125	0.85	100	8	100	No
MBR8U45	TO-277	8	45	150	0.47	200	8	45	No
MBR8U60	TO-277	8	60	200	0.5	200	8	60	No
MBR8U60A	TO-277	8	60	150	0.53	200	8	60	No
MBRB8100H	D2-PAK	8	100	300	0.7	10	8	100	Yes
MBRD845C	DPAK	8	45	150	0.51	100	8	45	No
SK86L	SMC	8	60	200	0.65	100	8	60	No
SK810L	SMC	8	100	200	0.8	100	8	100	No
SR804	DO-201AD	8	40	150	0.65	100	8	40	No
SR8045	DO-201AD	8	45	150	0.65	100	8	45	No
SR806	DO-201AD	8	60	150	0.7	100	8	60	No
SR810	DO-201AD	8	100	150	0.85	100	8	100	No
SR820	DO-201AD	8	200	150	0.85	100	8	200	No
MBR10100CTH	TO-220AB	10	100	120	0.8	10	5	100	No
MBR10150CTH	TO-220AB	10	150	120	0.85	10	5	150	No

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Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (μ A)	I_{FM} (A)	V_R (V)	
MBR10200CTH	TO-220AB	10	200	120	0.9	10	5	200	No
MBR10100FCTH	ITO-220AB	10	100	120	0.8	10	5	100	No
MBR10150FCTH	ITO-220AB	10	150	120	0.85	10	5	150	No
MBR10200FCTH	ITO-220AB	10	200	120	0.9	10	5	200	No
MBR10150	TO-220AC	10	150	150	0.9	100	10	150	No
MBR10150CT	TO-220AB	10	150	120	0.92	10	5	150	No
MBR10150FCT	ITO-220AB	10	150	120	0.92	10	5	150	No
MBR10200CT	TO-220AB	10	200	150	0.95	10	10	200	No
MBR10200FCT	ITO-220AB	10	200	125	0.92	100	5	200	No
MBR10200FH	ITO-220AC	10	200	150	0.85	10	5	200	No
MBR1045CT	TO-220AB	10	45	125	0.7	100	5	45	No
MBR1060CT	TO-220AB	10	60	125	0.8	100	5	60	No
MBR1040FCT	ITO-220AB	10	40	120	0.7	100	5	40	No
MBR1045FCT	ITO-220AB	10	45	120	0.7	100	5	45	No
MBR1060FCT	ITO-220AB	10	60	120	0.75	100	5	60	No
MBR10100FCT	ITO-220AB	10	100	120	0.85	100	5	100	No
MBR1040F	ITO-220AC	10	40	150	0.55	100	10	40	No
MBR1060F	ITO-220AC	10	60	150	0.75	100	10	60	No
MBR1080F	ITO-220AC	10	80	150	0.85	100	10	80	No
MBR10100F	ITO-220AC	10	100	150	0.85	100	10	100	No
MBR1040	TO-220AC	10	40	150	0.65	100	10	40	No
MBR1045	TO-220AC	10	45	150	0.65	100	10	45	No
MBR1060	TO-220AC	10	60	150	0.75	100	10	60	No
MBR10100	TO-220AC	10	100	150	0.84	100	10	100	No
MBR1060FCTS	ITO-220AB	10	60	100	0.75	200	5	60	No
MBR10100CT	TO-220AB	10	100	120	0.85	100	5	100	No
MBR10U100H	TO-277	10	100	240	0.85	10	10	100	No
MBR10U150	TO-277	10	150	200	0.79	100	10	150	No
MBR10U200	TO-277	10	200	240	0.9	5	10	200	No
MBR10U45L	TO-277	10	45	275	0.47	500	10	50	Yes
MBR10U60	TO-277	10	60	275	0.5	350	10	60	No
MBRB10100CT	D2-PAK	10	100	150	0.85	10	5	100	No
MBRB10150CT	D2-PAK	10	150	120	0.92	10	5	150	No
MBRB1040	D2-PAK	10	40	150	0.6	100	10	40	No
MBRB1060	D2-PAK	10	60	150	0.75	100	10	60	No
MBRB10100	D2-PAK	10	100	150	0.85	100	10	100	No
MBRB10150	D2-PAK	10	150	150	0.9	100	10	150	No
MBRB10200	D2-PAK	10	200	150	0.95	100	10	200	No
MBRB10200CT	D2-PAK	10	200	150	0.9	10	5	200	No
MBRB1045CT	D2-PAK	10	45	125	0.55	100	5	45	No
MBRB1060CT	D2-PAK	10	60	125	0.55	100	5	60	No
MBRB1060CTH	D2-PAK	10	60	150	0.72	50	5	60	No
MBRB10100CTH	D2-PAK	10	100	150	0.8	50	5	100	No
MBRB10150CTH	D2-PAK	10	150	150	0.85	50	5	150	No

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		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (μ A)	I_{FM} (A)	V_R (V)	
MBRB10200CTH	D2-PAK	10	200	150	0.9	50	5	200	No
MBRD10100CTH	DPAK	10	100	120	0.8	10	5	100	No
MBRD10150CTH	DPAK	10	150	120	0.85	10	5	150	No
MBRD10200CTH	DPAK	10	200	120	0.9	10	5	200	No
MBRD10150CTS	DPAK	10	150	100	0.88	10	5	150	No
MBRD10200CTS	DPAK	10	200	100	0.93	10	5	200	No
MBRD10150CT	DPAK	10	150	100	0.92	10	5	150	No
MBRD10200CT	DPAK	10	200	100	0.92	10	5	200	No
MBRD1045CT	DPAK	10	45	150	0.65	100	5	45	No
MBRD1060CT	DPAK	10	60	150	0.75	100	5	60	No
MBRD1045C	DPAK	10	45	150	0.51	100	10	45	No
MBRL10100FCT	ITO-220AB	10	100	120	0.72	100	5	100	Yes
MBRL10100CT	TO-220AB	10	100	120	0.72	100	5	100	Yes
MBRL1060CT	TO-220AB	10	60	100	0.6	100	5	60	Yes
MBRL1060FCT	ITO-220AB	10	60	100	0.6	100	5	60	Yes
SK1010H-L	SMC	10	100	150	0.82	10	10	100	No
SK1045-L	SMC	10	45	250	0.55	200	10	45	No
SR1060L	DO-201AD	10	60	150	0.48	200	10	60	Yes
SR10100L	DO-201AD	10	100	150	0.75	200	10	100	Yes
MBR12U100	TO-277	12	100	180	0.625	500	12	100	Yes
MBRD1230CT	DPAK	12	30	150	0.47	100	6	30	No
MBRD1245CT	DPAK	12	45	150	0.47	100	6	45	No
SB12100	DO-201AD	12	100	250	0.85	500	12	100	No
15SQ045	R-6	15	45	275	0.48	100	15	45	No
MBR1545FA	ITO-220AC	15	45	250	0.6	200	15	45	No
MBR15U100	TO-277	15	100	275	0.85	100	15	100	No
MBR15U100L	TO-277	15	100	200	0.69	200	15	100	No
MBR15U150	TO-277	15	150	250	0.84	100	15	150	No
MBR15U45	TO-277	15	45	275	0.47	500	15	45	No
MBR15U60	TO-277	15	60	300	0.5	500	15	50	No
MBRB3060CTS	D2-PAK	15	60	200	0.75	100	15	60	No
MBRD1560	DPAK	15	60	150	0.75	100	15	60	No
MBRD15100	DPAK	15	100	150	0.84	100	15	100	No
SK1545-L	SMC	15	45	300	0.55	200	15	45	No
MBR16100CT	TO-220AB	16	100	125	0.85	100	8	100	No
MBR1645CT	TO-220AB	16	45	125	0.7	100	8		No
MBR1660CT	TO-220AB	16	60	125	0.8	100	8		No
MBR1640FCT	ITO-220AB	16	40	150	0.55	200	8	40	No
MBR1660FCT	ITO-220AB	16	60	150	0.75	200	8	60	No
MBR16100FCT	ITO-220AB	16	100	150	0.85	200	8	100	No
MBR1645	TO-220AC	16	45	150	0.63	500	16	45	No
MBRB1645CT	D2-PAK	16	45	150	0.7	100	8	45	No
MBRB1660CT	D2-PAK	16	60	150	0.8	100	8	60	No
MBR20100CTH	TO-220AB	20	100	150	0.82	10	10	100	No

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		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (μ A)	I_{FM} (A)	V_R (V)	
MBR20150CTH	TO-220AB	20	150	150	0.85	10	10	150	No
MBR20200CTH	TO-220AB	20	200	150	0.9	10	10	200	No
MBR20100FCTH	ITO-220AB	20	100	150	0.82	10	10	100	No
MBR20150FCTH	ITO-220AB	20	150	150	0.85	10	10	150	No
MBR20200FCTH	ITO-220AB	20	200	150	0.9	10	10	200	No
MBR20100FCTS	ITO-220AB	20	100	130	0.91	10	20	100	No
MBR20150CT	TO-220AB	20	150	150	0.92	10	10	150	No
MBR20150FCT	ITO-220AB	20	150	150	0.92	25	10	150	No
MBR20200CT	TO-220AB	20	200	150	0.95	10	10	200	No
MBR20200CTS	TO-220AB	20	200	150	0.95	10	10	200	No
MBR20200FCT	ITO-220AB	20	200	150	0.95	50	10	200	No
MBR20200PT	TO-247	20	200	250	0.9	10	10	200	No
MBR2040CT	TO-220AB	20	40	150	0.84	100	20	40	No
MBR2045CT	TO-220AB	20	45	150	0.84	100	20	45	No
MBR2060CT	TO-220AB	20	60	150	0.95	100	20	60	No
MBR20100CT	TO-220AB	20	100	150	0.95	100	20	100	No
MBR2040FCT	ITO-220AB	20	40	150	0.7	100	10	40	No
MBR2045FCT	ITO-220AB	20	45	150	0.7	100	10	45	No
MBR2060FCT	ITO-220AB	20	60	150	0.8	50	10	60	No
MBR20100FCT	ITO-220AB	20	100	150	0.85	50	10	100	No
MBR20300CT	TO-220AB	20	300	200	0.975	50	10	300	No
MBR2045FCTS	ITO-220AB	20	45	150	0.65	200	10	45	No
MBR20U100L	TO-277	20	100	300	0.7	100	20	100	Yes
MBR20U45	TO-277	20	45	300	0.5	500	20	45	No
MBR40200PTH	TO-247	20	200	40	0.9	50	40	200	No
MBRB20100CTH	D2-PAK	20	100	150	0.8	10	10	100	No
MBRB20150CTH	D2-PAK	20	150	150	0.85	10	10	150	No
MBRB20200CTH	D2-PAK	20	200	150	0.9	10	10	200	No
MBRB20150CT	D2-PAK	20	150	130	0.9	10	10	150	No
MBRB20200CT	D2-PAK	20	200	150	0.95	10	10	200	No
MBRB20200CTHS	D2-PAK	20	200	130	0.95	10	10	200	No
MBRB2045CT	D2-PAK	20	45	150	0.84	100	20	45	No
MBRB2060CT	D2-PAK	20	60	150	0.95	100	20	60	No
MBRB20100CT	D2-PAK	20	100	150	0.95	100	20	100	No
MBRB20300CT	D2-PAK	20	300	200	0.975	50	10	300	No
MBRBF20200CT	TO-263AC	20	200	130	1.3	10	10	200	No
MBRBFL20100CT	TO-263AC	20	100	150	0.75	20	10	100	Yes
MBRBFL2045CT	TO-263AC	20	45	150	0.6	100	10	45	Yes
MBRBFL2060CT	TO-263AC	20	60	150	0.65	100	10	60	Yes
MBRBL20100CT	D2-PAK	20	100	150	0.72	100	10	100	Yes
MBRBL20150CT	D2-PAK	20	150	160	0.84	50	10	150	Yes
MBRBL20200CT	D2-PAK	20	200	150	0.88	50	5	200	Yes
MBRBL2045CT	D2-PAK	20	45	180	0.55	100	10	45	Yes
MBRBL20U100CT	D2-PAK	20	100	250	0.65	100	10	100	Yes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (μ A)	I_{FM} (A)	V_R (V)	
MBRD20100CTH	DPAK	20	100	130	0.85	10	10	100	No
MBRD20150CTH	DPAK	20	150	130	0.85	10	10	150	No
MBRD20200CTH	DPAK	20	200	130	0.9	10	10	200	No
MBRD2060CT	DPAK	20	60	125	0.75	200	10	60	No
MBRDL20100CT	DPAK	20	100	250	0.72	100	10	100	Yes
MBRDL2060CT	DPAK	20	60	125	0.6	100	10	60	Yes
MBRL20100FCT	ITO-220AB	20	100	200	0.72	100	10	100	Yes
MBRL20150FCT	ITO-220AB	20	150	200	0.9	100	10	150	Yes
MBRL20100CT	TO-220AB	20	100	200	0.7	100	10	100	Yes
MBRL20120CT	TO-220AB	20	120	200	0.85	100	10	120	Yes
MBRL20150CT	TO-220AB	20	150	200	0.85	10	10	150	Yes
MBRL20200CT	TO-220AB	20	200	160	0.88	10	10	200	Yes
MBRL20200FCT	ITO-220AB	20	200	160	0.88	50	10	200	Yes
MBRL2045CT	TO-220AB	20	45	150	0.52	200	10	45	Yes
MBRL2045FCT	ITO-220AB	20	45	150	0.52	200	10	45	Yes
MBRL2060CT	TO-220AB	20	60	150	0.6	100	10	60	Yes
MBRL2060FCT	ITO-220AB	20	60	150	0.6	100	10	60	Yes
MBRL20U100FCT	ITO-220AB	20	100	250	0.65	100	10	100	Yes
MBR2545CT	TO-220AB	25	45	150	0.65	200	12.5	45	No
MBR2560CT	TO-220AB	25	60	150	0.75	200	12.5	60	No
MBR2545FCT	ITO-220AB	25	45	150	0.65	200	12.5	45	No
MBRB2545CT	D2-PAK	25	45	150	0.65	200	12.5	45	No
MBR30100CT	TO-220AB	30	100	250	0.85	10	15	100	No
MBR30100CTH	TO-220AB	30	100	250	0.85	10	15	100	No
MBR30150CTH	TO-220AB	30	150	250	0.85	10	15	150	No
MBR30100FCTH	ITO-220AB	30	100	250	0.85	10	15	100	No
MBR30150FCTH	ITO-220AB	30	150	250	0.85	10	15	150	No
MBR30100PT	TO-247	30	100	300	0.8	50	15	100	No
MBR30150	TO-220AC	30	150	300	0.88	10	30	150	No
MBR30150CT	TO-220AB	30	150	200	0.9	10	15	150	No
MBR30150FCT	ITO-220AB	30	150	260	0.9	5	15	150	No
MBR30200CT	TO-220AB	30	200	200	0.95	100	15	200	No
MBR30200CTH	TO-220AB	30	200	250	0.88	10	15	200	No
MBR30200FCT	ITO-220AB	30	200	200	0.95	100	15	200	No
MBR30200FCTH	ITO-220AB	30	200	250	0.88	10	15	200	No
MBR30200PTS	TO-247	30	200	250	0.9	10	15	200	No
MBR3040FCT	ITO-220AB	30	40	250	0.6	100	15	40	No
MBR3045FCT	ITO-220AB	30	45	250	0.6	100	15	45	No
MBR3060FCT	ITO-220AB	30	60	250	0.85	100	15	60	No
MBR30100FCT	ITO-220AB	30	100	250	0.85	100	15	100	No
MBR30300CTH	TO-220AB	30	300	250	1.3	10	15	300	No
MBR3045CT	TO-220AB	30	45	200	0.84	100	30	45	No
MBR3060CT	TO-220AB	30	60	200	0.95	100	30	60	No
MBR3045FCTS	ITO-220AB	30	45	200	0.65	200	15	45	No

Schottky Barrier Rectifiers

Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (μ A)	I_{FM} (A)	V_R (V)	
MBRB30100CT	D2-PAK	30	100	250	0.85	10	15	100	No
MBRB30100CTH	D2-PAK	30	100	250	0.8	10	15	100	No
MBRB30150CTH	D2-PAK	30	150	250	0.85	10	15	150	No
MBRB30200CTH	D2-PAK	30	200	250	0.9	10	15	200	No
MBRB30150CT	D2-PAK	30	150	200	0.9	20	15	150	No
MBRB30300CTH	D2-PAK	30	300	250	1.05	10	15	300	No
MBRB3045CT	D2-PAK	30	45	250	0.6	100	15	45	No
MBRB3060CT	D2-PAK	30	60	250	0.72	100	15	60	No
MBRBF30200CT	TO-263AC	30	200	260	0.93	10	15	200	No
MBRBF30100CT	TO-263AC	30	100	200	0.75	30	15	100	Yes
MBRBF3045CT	TO-263AC	30	45	200	0.6	100	15	45	Yes
MBRBF3060CT	TO-263AC	30	60	150	0.7	100	15	60	Yes
MBRBL30150CT	D2-PAK	30	150	220	0.84	100	15	150	Yes
MBRBL30200CT	D2-PAK	30	200	220	0.88	100	15	200	Yes
MBRBL3045CT	D2-PAK	30	45	200	0.53	200	15	45	Yes
MBRBL3060CT	D2-PAK	30	60	240	0.63	100	15	60	Yes
MBRBL30U100CT	D2-PAK	30	100	320	0.64	100	15	100	Yes
MBRL30100CT	TO-220AB	30	100	200	0.72	100	15	100	Yes
MBRL30100FCT	ITO-220AB	30	100	200	0.72	100	15	100	Yes
MBRL30120CT	TO-220AB	30	120	250	0.88	100	15	120	Yes
MBRL30150CT	TO-220AB	30	150	220	0.84	100	15	150	Yes
MBRL30150FCT	ITO-220AB	30	150	220	0.84	100	15	150	Yes
MBRL30200CT	TO-220AB	30	200	250	0.88	100	15	200	No
MBRL30200FCT	ITO-220AB	30	200	250	0.85	50	15	200	Yes
MBRL3045CT	TO-220AB	30	45	250	0.53	200	15	45	Yes
MBRL3045FCT	ITO-220AB	30	45	250	0.55	100	15	45	Yes
MBRL3060CT	TO-220AB	30	60	240	0.62	100	15	60	Yes
MBRL3060FCT	ITO-220AB	30	60	200	0.6	100	15	60	Yes
MBRL30P100	DFN5060	30	100	250	0.85	100	30	100	No
MBRL30U100CT	TO-220AB	30	100	320	0.64	100	15	100	Yes
MBRL30U100FCT	ITO-220AB	30	100	320	0.64	100	15	100	Yes
MBR40100CT	TO-220AB	40	100	300	0.85	10	20	100	No
MBR40100CTH	TO-220AB	40	100	250	0.85	10	20	100	No
MBR40100PT	TO-247	40	100	400	0.8	50	20	100	No
MBR40100PTH	TO-247	40	100	400	0.83	10	20	100	No
MBR40150CT	TO-220AB	40	150	300	0.85	10	20	150	No
MBR40150FCT	ITO-220AB	40	150	300	0.85	10	20	150	No
MBR40200CT	TO-220AB	40	200	450	0.9	10	20	200	No
MBR40250C	TO-220AB	40	250	450	1	10	40	250	No
MBR40300CTH	TO-220AB	40	300	430	1.3	10	20	300	No
MBRB40100CTH	D2-PAK	40	100	300	0.85	10	20	100	No
MBRB40200CT	D2-PAK	40	200	450	0.9	10	20	200	No
MBRB40200CTH	D2-PAK	40	200	300	0.9	100	20	200	No
MBRB40250C	D2-PAK	40	250	450	1	10	40	250	No

Schottky Barrier Rectifiers

Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Low VF
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (μ A)	I_{FM} (A)	V_R (V)	
MBRBL40100CT	D2-PAK	40	100	300	0.71	80	20	100	Yes
MBRBL40120CT	D2-PAK	40	120	300	0.82	100	20	120	Yes
MBRBL40U60CT	D2-PAK	40	60	300	0.53	200	20	60	Yes
MBRL40100CT	TO-220AB	40	100	300	0.71	80	20	100	Yes
MBRL40100FCT	ITO-220AB	40	100	300	0.71	80	20	100	Yes
MBRL40120CT	TO-220AB	40	120	320	0.85	100	20	120	Yes
MBRL40150CT	TO-220AB	40	150	250	0.88	50	20	150	Yes
MBRL40300CT	TO-220AB	40	300	200	0.93	10	20	300	Yes
MBRL40U100CT	TO-220AB	40	100	300	0.71	100	20	100	Yes
MBRL40U60CT	TO-220AB	40	60	300	0.56	200	20	60	Yes
MBR60150PT	TO-247	60	150	400	0.9	10	30	150	No
MBR60200CT	TO-220AB	60	200	450	0.9	20	30	200	No
MBR60200PT	TO-247	60	200	450	0.9	20	30	200	No
MBRB60250CT	D2-PAK	60	250	350	0.95	10	30	250	No
MBRL60100CT	TO-220AB	60	100	320	0.79	200	30	100	Yes

Transistors

Transistors are fundamental to modern power electronics, providing a critical control source for amplifying, generating, and controlling electronic signals. MCC's robust portfolio of transistors ensures exceptional performance and reliability in a broad range of applications. Choose from diverse amplifying and switching solutions in a range of packages, configurations, and polarities, including AEC-Q101 qualified components.

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Automotive Products

Small Signal Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain			Base-Emitter Saturation Voltage			Transition Frequency
			P _c (W)	V _{CE0} (V)	I _c (A)	H _{FE}	V _{CE} (V)	I _c (mA)	V _{CE(sat)} (V)	I _c (mA)	I _e (mA)	f _T (MHz)
MMS8050HE3-H	SOT-23	NPN	0.300	25	0.50	200-350	1	50	0.60	500	50	150
MMS8050HE3-L	SOT-23	NPN	0.300	25	0.50	120-200	1	50	0.60	500	50	150
MMS9013HE3-H	SOT-23	NPN	0.300	25	0.50	200-350	1	50	0.60	500	50	150
MMS9013HE3-L	SOT-23	NPN	0.300	25	0.50	120-200	1	50	0.60	500	50	150
MMSS8050HE3-H	SOT-23	NPN	0.300	25	1.50	200-350	1	100	0.50	800	80	100
MMSS8050HE3-L	SOT-23	NPN	0.300	25	1.50	120-200	1	100	0.50	800	80	100
BC848AHE3	SOT-23	NPN	0.225	30	0.10	110-220	5	2	0.50	100	5	100
BC848BHE3	SOT-23	NPN	0.225	30	0.10	200-450	5	2	0.50	100	5	100
BC848CHE3	SOT-23	NPN	0.225	30	0.10	420-800	5	2	0.50	100	5	100
BC848AWHE3	SOT-323	NPN	0.200	30	0.10	110-220	5	2	0.50	100	5	150
BC848BWHE3	SOT-323	NPN	0.200	30	0.10	200-450	5	2	0.50	100	5	150
BC848CWHE3	SOT-323	NPN	0.200	30	0.10	420-800	5	2	0.50	100	5	150
DMMT3904HE3	SOT-363	NPN*2	0.200	40	0.20	100-300	1	10	0.30	50	5	250
FMMT491BHE3	SOT-23	NPN	0.300	40	1.00	300	5	1	0.20	100	1	150
MMBT2222AHE3	SOT-23	NPN	0.350	40	0.60	75	10	10	0.30	150	15	300
MMBT3904HE3	SOT-23	NPN	0.350	40	0.20	100-300	1	10	0.20	10	1	300
MMBT4401HE3	SOT-23	NPN	0.350	40	0.60	80	1	10	0.40	150	15	250
MMDT2222AHE3	SOT-363	NPN*2	0.200	40	0.60	100-300	10	150	1.00	500	50	250
MMDT3904HE3	SOT-363	NPN*2	0.200	40	0.20	100-300	1	10	0.30	50	5	300
MMST2222AHE3	SOT-323	NPN	0.200	40	0.60	100-300	10	150	0.50	500	50	300
MMST3904HE3	SOT-323	NPN	0.200	40	0.20	100-300	1	10	0.30	50	5	250
MMST4401HE3	SOT-323	NPN	0.200	40	0.60	100-300	1	150	0.40	150	15	150
BC817-16HE3	SOT-23	NPN	0.300	45	0.50	100-250	1	100	0.70	500	50	100
BC817-25HE3	SOT-23	NPN	0.300	45	0.50	160-400	1	100	0.70	500	50	100
BC817-40HE3	SOT-23	NPN	0.300	45	0.50	250-600	1	100	0.70	500	50	100
BC817-16WHE3	SOT-323	NPN	0.200	45	0.50	100-250	1	100	0.70	500	50	100
BC817-25WHE3	SOT-323	NPN	0.200	45	0.50	160-400	1	100	0.70	500	50	100
BC817-40WHE3	SOT-323	NPN	0.200	45	0.50	250-600	1	100	0.70	500	50	100
BC847AHE3	SOT-23	NPN	0.225	45	0.10	110-220	5	2	0.50	100	5	100
BC847BHE3	SOT-23	NPN	0.225	45	0.10	200-450	5	2	0.50	100	5	100
BC847CHE3	SOT-23	NPN	0.225	45	0.10	420-800	5	2	0.50	100	5	100
BC847AWHE3	SOT-323	NPN	0.200	45	0.10	110-220	5	2	0.50	100	5	150
BC847BWHE3	SOT-323	NPN	0.200	45	0.10	200-450	5	2	0.50	100	5	150
BC847CWHE3	SOT-323	NPN	0.200	45	0.10	420-800	5	2	0.50	100	5	150
BC847BSHE3	SOT-363	NPN*2	0.200	45	0.10	200-450	5	2	0.65	100	5	150
MMS9014HE3-H	SOT-23	NPN	0.400	45	0.10	450-1000	5	1	0.30	100	5	150
MMS9014HE3-L	SOT-23	NPN	0.400	45	0.10	200-450	5	1	0.30	100	5	150
BC846AHE3	SOT-23	NPN	0.225	65	0.10	110-220	5	2	0.50	100	5	100
BC846BHE3	SOT-23	NPN	0.225	65	0.10	200-450	5	2	0.50	100	5	100
BC846AWHE3	SOT-323	NPN	0.200	65	0.10	110-220	5	2	0.50	100	5	150
BC846BWHE3	SOT-323	NPN	0.200	65	0.10	200-450	5	2	0.50	100	5	150
BC846BSHE3	SOT-363	NPN*2	0.200	65	0.10	200-450	5	2	0.10	10	0.5	100
2SD1782HE3-R	SOT-23	NPN	0.200	80	0.50	180-390	3	100	0.50	500	50	180
MMBTA06HE3	SOT-23	NPN	0.300	80	0.50	100	1	10	0.25	100	10	100

Automotive Products

Small Signal Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain			Base-Emitter Saturation Voltage			Transition Frequency
			P _C (W)	V _{CE0} (V)	I _C (A)	H _{FE}	V _{CE} (V)	I _C (mA)	V _{CE(sat)} (V)	I _C (mA)	I _E (mA)	f _T (MHz)
MMSTA06HE3	SOT-323	NPN	0.200	80	0.50	100~400	1	10	0.25	100	10	100
MMBT5551HE3	SOT-23	NPN	0.300	160	0.60	100-300	5	10	0.20	50	5	100
MMDT5551HE3	SOT-363	NPN*2	0.200	160	0.60	100-300	5	10	0.15	10	1	250
MMST5551HE3	SOT-323	NPN	0.200	160	0.60	30	5	50	0.20	50	5	100
MMBTA42HE3	SOT-23	NPN	0.350	300	0.50	40	10	10	0.50	20	2	50
MMSTA42HE3	SOT-323	NPN	0.200	300	0.20	40	10	10	0.50	20	2	50
MMS8550HE3-H	SOT-23	PNP	0.300	-25	-0.50	200-350	-1	-50	-0.60	-500	-50	150
MMS8550HE3-L	SOT-23	PNP	0.300	-25	-0.50	120-200	-1	-50	-0.60	-500	-50	150
MMS9012HE3-H	SOT-23	PNP	0.300	-25	-0.50	200-350	-1	-50	-0.60	-500	-50	150
MMS9012HE3-L	SOT-23	PNP	0.300	-25	-0.50	120-200	-1	-50	-0.60	-500	-50	150
MMSS8550HE3-H	SOT-23	PNP	0.625	-25	-1.50	200-350	-1	-100	-0.50	-800	-80	100
MMSS8550HE3-L	SOT-23	PNP	0.625	-25	-1.50	120-200	-1	-100	-0.50	-800	-80	100
BC858AWHE3	SOT-323	PNP	0.150	-30	-0.10	125-250	-5	-2	-0.65	-100	-5	100
BC858BWHE3	SOT-323	PNP	0.150	-30	-0.10	220-475	-5	-2	-0.65	-100	-5	100
BC858AHE3	SOT-23	PNP	0.300	-30	-0.10	125-250	-5	-2	-0.65	-100	-5	100
BC858BHE3	SOT-23	PNP	0.300	-30	-0.10	220-475	-5	-2	-0.65	-100	-5	100
BC858CHE3	SOT-23	PNP	0.300	-30	-0.10	420-800	-5	-2	-0.65	-100	-1	100
FMMT591BHE3	SOT-23	PNP	0.300	-40	-1.00	300	-5	-1	-0.20	-100	-1	150
MMBT3906HE3	SOT-23	PNP	0.300	-40	-0.20	100-300	-1	-10	-0.25	-10	-1	250
MMBT4403HE3	SOT-23	PNP	0.350	-40	-0.60	100	-1	-10	-0.40	-150	-15	200
MMDT3906HE3	SOT-363	PNP*2	0.200	-40	-0.20	100-300	-1	-10	-0.25	-10	-1	250
MMST3906HE3	SOT-323	PNP	0.200	-40	-0.20	100-300	-10	-1	-0.30	-50	-5	300
MMST4403HE3	SOT-323	PNP	0.200	-40	-0.60	100-300	-2	-150	-0.40	-150	-15	200
BC807-16HE3	SOT-23	PNP	0.300	-45	-0.50	100-250	-1	-100	-0.70	500	50	100
BC807-25HE3	SOT-23	PNP	0.300	-45	-0.50	160-400	-1	-100	-0.70	500	50	100
BC807-40HE3	SOT-23	PNP	0.300	-45	-0.50	250-600	-1	-100	-0.70	500	50	100
BC807-16WHE3	SOT-323	PNP	0.200	-45	-0.50	100-250	-1	-100	-0.70	-500	-50	100
BC807-25WHE3	SOT-323	PNP	0.200	-45	-0.50	160-400	-1	-100	-0.70	-500	-50	100
BC807-40WHE3	SOT-323	PNP	0.200	-45	-0.50	250-600	-1	-100	-0.70	-500	-50	100
BC857AWHE3	SOT-323	PNP	0.150	-45	-0.10	125-250	-5	-2	-0.65	-100	-5	100
BC857BWHE3	SOT-323	PNP	0.150	-45	-0.10	220-475	-5	-2	-0.65	-100	-5	100
BC857BSHE3	SOT-363	PNP*2	0.200	-45	-0.20	200-475	-5	-2	-0.65	-100	-5	100
BC857AHE3	SOT-23	PNP	0.310	-45	-0.10	125-250	-5	-2	-0.30	-10	-0.5	200
BC857BHE3	SOT-23	PNP	0.310	-45	-0.10	220-475	-5	-2	-0.30	-10	-0.5	200
MMS9015HE3-H	SOT-23	PNP	0.200	-45	-0.10	450-1000	-5	-1	-0.30	-100	-10	150
MMS9015HE3-L	SOT-23	PNP	0.200	-45	-0.10	200-450	-5	-1	-0.30	-100	-10	150
FMMT591HE3	SOT-23	PNP	0.300	-60	-1.00	100-300	-5	-500	-0.60	-1	-100	150
MMBT2907AHE3	SOT-23	PNP	0.350	-60	-0.60	100	-10	-10	-0.40	-150	-15	200
MMDT2907AHE3	SOT-363	PNP*2	0.200	-60	-0.60	100	-10	-10	-0.40	-150	-15	200
MMST2907AHE3	SOT-323	PNP	0.200	-60	-0.60	100	-10	-1	-1.60	-500	-50	200
BC856AWHE3	SOT-323	PNP	0.150	-65	-0.10	125-250	-5	-2	-0.65	-100	-5	100
BC856BWHE3	SOT-323	PNP	0.150	-65	-0.10	220-475	-5	-2	-0.65	-100	-5	100
BC856AHE3	SOT-23	PNP	0.310	-65	-0.10	125-250	-5	-2	-0.30	-10	-0.5	200
BC856BHE3	SOT-23	PNP	0.310	-65	-0.10	220-475	-5	-2	-0.30	-10	-0.5	200

Automotive Products

Small Signal Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain			Base-Emitter Saturation Voltage			Transition Frequency
			P _C (W)	V _{CE0} (V)	I _C (A)	H _{FE}	V _{CE} (V)	I _C (mA)	V _{CE(sat)} (V)	I _C (mA)	I _E (mA)	f _T (MHz)
MMBTA56HE3	SOT-23	PNP	0.300	-80	-0.50	100	-1	-10	-0.25	-100	-10	100
MMSTA56HE3	SOT-323	PNP	0.200	-80	-0.50	100	-1	-10	-0.25	-100	-10	100
MMBT5401HE3	SOT-23	PNP	0.300	-150	-0.60	100-300	-5	-10	-0.50	-50	-5	100
MMDT5401HE3	SOT-363	PNP*2	0.200	-150	-0.60	100-300	-5	-10	-0.50	-50	-5	250
MMST5401HE3	SOT-323	PNP	0.200	-150	-0.60	60-300	-5	-10	-0.50	-50	-5	100
MMBTA92HE3	SOT-23	PNP	0.300	-300	-0.30	100-200	-10	-10	-0.50	-20	-2	50
MMSTA92HE3	SOT-323	PNP	0.200	-300	-0.10	40	-10	-10	-0.40	-20	-2	50
MMDT2227HE3	SOT-363	NPN+PNP	0.200	40/-60	0.6/-0.6	35/75	10/-10	0.1/-0.1	0.3/-0.4	150/-150	15/-15	250
MMDT3946HE3	SOT-363	NPN+PNP	0.200	40/-40	0.2/-0.2	100-300	1/-1	10/-10	0.3/-0.4	50/-50	5/-5	300/250
BC847PNHE3	SOT-363	NPN+PNP	0.200	45/-45	0.1/-0.1	200-450/220-475	5/5	2/-2	0.25/-0.30	10/-10	0.5/-0.5	100
BC846BPNHE3	SOT-363	NPN+PNP	0.200	65/-65	0.1/-0.1	200-450	5/5	2/-2	0.25/-0.30	10/-10	0.5/-0.5	100
MMDT5451HE3	SOT-363	NPN+PNP	0.200	160/-150	0.2/-0.2	100-300	5/5	10/-10	0.2/-0.5	50/-50	5/-5	100-300

Automotive Products

Medium Power Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain			Base-Emitter Saturation Voltage			Transition Frequency
			P _C (W)	V _{CE0} (V)	I _C (A)	H _{FE}	V _{CE} (V)	I _C (mA)	V _{CE(sat)} (V)	I _C (mA)	I _E (mA)	f _T (MHz)
BCP56-16HE3	SOT-223	NPN	1.5	80	1	100-250	2	150	0.5	500	50	100
BCX56-16HE3	SOT-89	NPN	0.5	80	1	100-250	2	150	0.5	500	50	130
MJD31CHE3	DPAK	NPN	1.25	100	3	10-75	4	3000	1.2	3000	375	3
MJD41CHE3	DPAK	NPN	1.25	100	6	15-155	4	3	1.5	6	0.6	3
PZT5551HE3	SOT-223	NPN	1	160	0.6	80	5	1	0.15	10	1	100
PZT2907AHE3	SOT-223	PNP	1	-60	-0.6	100-300	-10	-150	-0.4	-150	-15	200
BCP53-16HE3	SOT-223	PNP	1.5	-80	-1	100-250	-2	-150	-0.5	-500	-50	100
BCX53-16HE3	SOT-89	PNP	0.5	-80	-1	100-250	-2	-150	-0.5	-500	-50	50
MJD32CHE3	DPAK	PNP	1.25	-100	-3	10-75	-0.375	-3000	-1.2	-3000	-375	3
MJD42CHE3	DPAK	PNP	1.5	-100	-6	15-75	-4	-3000	-1.5	-6000	-600	3

Automotive Products

Pre-Biased Transistors

Part Number	Package	Polarity	Power Dissipation	Output Current	Supply Voltage	DC Current Gain	Output Voltage	Input Resistance		Transition Frequency
			P _O (mW)	I _O (mA)	V _{CC} (V)	G _i	V _O (V)	R _i (KΩ)	R _e (KΩ)	f _T (MHz)
UMH10NHE3	SOT-363	NPN*2	150	100	50	80	0.3	2.2	47	250
UMH11NHE3	SOT-363	NPN*2	150	100	50	30	0.3	10	10	250
UMH13NHE3	SOT-363	NPN*2	150	100	50	80	0.3	4.7	47	250
UMH1NHE3	SOT-363	NPN*2	150	100	50	56	0.3	22	22	250
UMH2NHE3	SOT-363	NPN*2	150	100	50	68	0.3	47	47	200
UMH9NHE3	SOT-363	NPN*2	150	100	50	68	0.3	10	47	250
DTC114ECAHE3	SOT-23	NPN	200	100	50	30	0.3	10	10	250
DTC114EUAHE3	SOT-323	NPN	200	100	50	33	0.3	10	10	250
DTC114YCAHE3	SOT-23	NPN	200	100	50	68	0.3	10	47	250
DTC114YUAHE3	SOT-323	NPN	200	100	50	68	0.3	10	47	250
DTC123JCAHE3	SOT-23	NPN	200	100	50	80	0.3	2.2	47	200
DTC123JUAHE3	SOT-323	NPN	200	100	50	80	0.3	2.2	47	200
DTC124ECAHE3	SOT-23	NPN	200	100	50	56	0.3	22	22	250
DTC124EUAHE3	SOT-323	NPN	200	100	50	56	0.3	22	22	250
DTC143ECAHE3	SOT-23	NPN	200	100	50	20	0.3	4.7	4.7	250
DTC143EUAHE3	SOT-323	NPN	200	100	50	20	0.3	4.7	4.7	250
DTC143ZCAHE3	SOT-23	NPN	200	100	50	80	0.3	4.7	47	250
DTC143ZUAHE3	SOT-323	NPN	200	100	50	80	0.3	4.7	47	250
DTC144ECAHE3	SOT-23	NPN	200	100	50	68	0.3	47	47	250
DTC144EUAHE3	SOT-323	NPN	200	100	50	68	0.3	47	47	250
DTA114ECAHE3	SOT-23	PNP	200	-100	-50	30	-0.3	10	10	250
DTA114EUAHE3	SOT-323	PNP	200	-100	-50	30	-0.3	10	10	250
DTA114YCAHE3	SOT-23	PNP	200	-100	-50	68	-0.3	10	47	250
DTA114YUAHE3	SOT-323	PNP	200	-100	-50	68	-0.3	10	47	250
DTA123JCAHE3	SOT-23	PNP	200	-100	-50	80	-0.3	2.2	47	200
DTA123JUAHE3	SOT-323	PNP	200	-100	-50	80	-0.3	2.2	47	200
DTA124ECAHE3	SOT-23	PNP	200	-100	-50	56	-0.3	22	22	200
DTA124EUAHE3	SOT-323	PNP	200	-100	-50	56	-0.3	22	22	200
DTA143ECAHE3	SOT-23	PNP	200	-100	-50	30	-0.3	4.7	4.7	250
DTA143EUAHE3	SOT-323	PNP	200	-100	-50	30	-0.3	4.7	4.7	250
DTA143ZCAHE3	SOT-23	PNP	200	-100	-50	80	-0.3	4.7	47	250
DTA143ZUAHE3	SOT-323	PNP	200	-100	-50	80	-0.3	4.7	47	250
DTA144ECAHE3	SOT-23	PNP	200	-100	-50	68	-0.3	47	47	250
DTA144EUAHE3	SOT-323	PNP	200	-100	-50	68	-0.3	47	47	250
UMB9NHE3	SOT-363	PNP*2	150	-100	-50	68	-0.3	10	47	200
UMD10NHE3	SOT-363	NPN+PNP	150	100/-100	50/50	80	0.3/-0.3	2.2	47	200
UMD12NHE3	SOT-363	NPN+PNP	150	100/-100	50/50	68	0.3/-0.3	47	47	250
UMD15NHE3	SOT-363	NPN+PNP	150	100/-100	50/50	20/30	0.3/-0.3	4.7	4.7	250
UMD2NHE3	SOT-363	NPN+PNP	150	100/-100	50/50	56	0.3/-0.3	22	22	250
UMD2NHE3-TPQ2	SOT-363	NPN+PNP	150	100/-100	50/50	56	0.3/-0.3	22	22	250
UMD22NHE3	SOT-363	NPN+PNP	200	100/-100	50/50	30	0.3/-0.3	4.7	47	250
UMD3NHE3	SOT-363	NPN+PNP	200	100/-100	50/50	30	0.3/-0.3	10	10	250
UMD9NHE3	SOT-363	NPN+PNP	200	100/-100	50/50	68	0.3/-0.3	10	47	250

Small Signal Bipolar Transistors

Small Signal Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain			Base-Emitter Saturation Voltage			Transition Frequency
			P _C (W)	V _{CE0} (V)	I _C (A)	H _{FE}	V _{CE} (V)	I _C (mA)	V _{CE(sat)} (V)	I _C (mA)	I _E (mA)	f _T (MHz)
MMBTH10	SOT-23	NPN	0.225	25	0.05	60	10	4	0.50	4	0.4	650
MMS8050-H	SOT-23	NPN	0.300	25	0.50	200-350	1	50	0.60	500	50	150
MMS8050A-H	SOT-23	NPN	0.300	25	0.50	200-350	1	50	0.60	500	50	150
MMS8050A-L	SOT-23	NPN	0.300	25	0.50	120-200	1	50	0.60	500	50	150
MMS9013-H	SOT-23	NPN	0.300	25	0.50	200-350	1	50	0.60	500	50	150
MMS9013-L	SOT-23	NPN	0.300	25	0.50	120-200	1	50	0.60	500	50	150
MMSS8050-H	SOT-23	NPN	0.300	25	1.50	200-350	1	100	0.50	800	80	100
MMSS8050-L	SOT-23	NPN	0.300	25	1.50	120-200	1	100	0.50	800	80	100
MMSS8050W-H	SOT-323	NPN	0.200	25	1.50	200-350	1	100	0.50	800	80	100
MMSS8050W-L	SOT-323	NPN	0.200	25	1.50	120-200	1	100	0.50	800	80	100
MS8050-H	SOT-23	NPN	0.300	25	0.80	200-300	1	5	0.50	800	80	150
MS8050-L	SOT-23	NPN	0.300	25	0.80	80-200	1	5	0.50	800	80	150
2SC2859-Y	SOT-23	NPN	0.150	30	0.50	120-240	1	100	0.25	100	10	300
BC848A	SOT-23	NPN	0.200	30	0.10	110-220	5	2	0.50	100	5	100
BC848B	SOT-23	NPN	0.200	30	0.10	200-450	5	2	0.50	100	5	100
BC848C	SOT-23	NPN	0.200	30	0.10	420-800	5	2	0.50	100	5	100
BC849B	SOT-23	NPN	0.200	30	0.10	200-450	5	2	0.50	100	5	100
BC849C	SOT-23	NPN	0.200	30	0.10	420-800	5	2	0.50	100	5	100
BC848AL3	DFN1006-3	NPN	0.150	30	0.10	110-220	5	2	0.60	100	5	100
BC848BL3	DFN1006-3	NPN	0.150	30	0.10	200-450	5	2	0.60	100	5	100
BC848CL3	DFN1006-3	NPN	0.150	30	0.10	420-800	5	2	0.60	100	5	100
BC848AM3	SOT-723	NPN	0.265	30	0.10	110-220	5	2	0.30	10	0.5	100
BC848BM3	SOT-723	NPN	0.265	30	0.10	200-450	5	2	0.30	10	0.5	100
BC848CM3	SOT-723	NPN	0.265	30	0.10	420-800	5	2	0.30	10	0.5	100
BC848AW	SOT-323	NPN	0.200	30	0.10	110-220	5	2	0.25	10	0.5	100
BC848BW	SOT-323	NPN	0.200	30	0.10	200-450	5	2	0.25	10	0.5	100
BC848CW	SOT-323	NPN	0.200	30	0.10	420-800	5	2	0.25	10	0.5	100
FMMT4230	SOT-23	NPN	0.300	30	2.00	350	2	100	0.70	100	1	100
MMBTA13	SOT-23	NPN	0.225	30	0.30	5000	5	10	1.50	100	0.1	125
MMBTA14	SOT-23	NPN	0.225	30	0.30	10000	5	10	1.50	100	0.1	125
2SC2411-R	SOT-23	NPN	0.200	32	0.50	180-390	3	100	0.40	500	50	250
2SC4097-P	SOT-323	NPN	0.200	32	0.50	82-180	3	10	0.40	100	10	250
2SC4097-Q	SOT-323	NPN	0.200	32	0.50	120-270	3	10	0.40	100	10	250
2SC4097-R	SOT-323	NPN	0.200	32	0.50	180-390	3	10	0.40	100	10	250
DMMT3904	SOT-363	NPN*2	0.200	40	0.20	100-300	1	10	0.30	50	5	300
FMMT4240	SOT-23	NPN	0.300	40	2.00	350	2	100	0.70	100	1	100
FMMT491B	SOT-23	NPN	0.300	40	1.00	300	5	1	0.20	100	1	150
MMBT2222A	SOT-23	NPN	0.350	40	0.60	75	10	10	0.30	150	15	300
MMBT2222AT	SOT-523	NPN	0.150	40	0.60	100-300	10	150	1.00	500	50	300
MMBT2222ATS	SOT-523	NPN	0.150	40	0.60	100-300	10	150	1.00	500	50	300
MMBT3904	SOT-23	NPN	0.350	40	0.20	100-300	1	10	0.20	10	1	300
MMBT3904L3	DFN1006-3	NPN	0.150	40	0.20	100-300	1	10	0.30	50	5	300
MMBT3904T	SOT-523	NPN	0.150	40	0.20	100-300	1	10	0.30	50	5	300
MMBT4401	SOT-23	NPN	0.350	40	0.60	80	1	10	0.40	150	15	250

Small Signal Bipolar Transistors

Small Signal Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain			Base-Emitter Saturation Voltage			Transition Frequency
			P _C (W)	V _{CE0} (V)	I _C (A)	H _{FE}	V _{CE} (V)	I _C (mA)	V _{CE(sat)} (V)	I _C (mA)	I _E (mA)	f _T (MHz)
MMDT2222A	SOT-363	NPN*2	0.150	40	0.60	100-300	10	150	1.00	500	50	300
MMDT3904	SOT-363	NPN*2	0.200	40	0.20	100-300	1	10	0.30	50	5	300
MMDT3904S	SOT-363S	NPN*2	0.200	40	0.20	100~300	1	10	0.20	10	1	250
MMDT3904S-TPQ2	SOT-363S	NPN*2	0.200	40	0.20	100~300	1	10	0.20	10	1	250
MMDT3904-TPQ2	SOT-363	NPN*2	0.200	40	0.20	100-300	1	10	0.30	50	5	300
MMDT3904V	SOT-563	NPN*2	0.200	40	0.20	30	1	100	0.30	50	5	300
MMDT4401	SOT-363	NPN*2	0.200	40	0.60	40	2	500	0.75	500	50	250
MMST2222A	SOT-323	NPN	0.200	40	0.60	100-300	10	150	0.60	500	50	300
MMST3904	SOT-323	NPN	0.200	40	0.20	100-300	1	10	0.30	50	5	300
MMST4401	SOT-323	NPN	0.200	40	0.60	100-300	2	500	0.40	150	15	250
BC817-16	SOT-23	NPN	0.300	45	0.50	100-250	1	100	0.70	500	50	100
BC817-25	SOT-23	NPN	0.300	45	0.50	160-400	1	100	0.70	500	50	100
BC817-40	SOT-23	NPN	0.300	45	0.50	250-600	1	100	0.70	500	50	100
BC817-16W	SOT-323	NPN	0.200	45	0.50	100-250	1	100	0.70	500	50	100
BC817-25W	SOT-323	NPN	0.200	45	0.50	160-400	1	100	0.70	500	50	100
BC817-40W	SOT-323	NPN	0.200	45	0.50	250-600	1	100	0.70	500	50	100
BC817DS	SOT23-6L	NPN*2	0.300	45	0.50	160-400	1	100	0.70	500	50	100
BC817K-25	SOT-23	NPN	0.500	45	0.50	160-400	1	100	0.70	500	50	100
BC847A	SOT-23	NPN	0.200	45	0.10	110-220	5	2	0.50	100	5	100
BC847B	SOT-23	NPN	0.200	45	0.10	200-450	5	2	0.50	100	5	100
BC847C	SOT-23	NPN	0.200	45	0.10	420-800	5	2	0.50	100	5	100
BC847AL3	DFN1006-3	NPN	0.150	45	0.10	110-220	5	2	0.60	100	5	100
BC847BL3	DFN1006-3	NPN	0.150	45	0.10	200-450	5	2	0.60	100	5	100
BC847CL3	DFN1006-3	NPN	0.150	45	0.10	420-800	5	2	0.60	100	5	100
BC847AM3	SOT-723	NPN	0.265	45	0.10	110-220	5	2	0.30	10	0.5	100
BC847BM3	SOT-723	NPN	0.265	45	0.10	200-450	5	2	0.30	10	0.5	100
BC847CM3	SOT-723	NPN	0.265	45	0.10	420-800	5	2	0.30	10	0.5	100
BC847AW	SOT-323	NPN	0.200	45	0.10	110-220	5	2	0.25	10	0.5	100
BC847BW	SOT-323	NPN	0.200	45	0.10	200-450	5	2	0.25	10	0.5	100
BC847CW	SOT-323	NPN	0.200	45	0.10	420-800	5	2	0.25	10	0.5	100
BC847AT	SOT-523	NPN	0.150	45	0.10	110-220	5	2	0.60	100	5	100
BC847BT	SOT-523	NPN	0.150	45	0.10	200-450	5	2	0.60	100	5	100
BC847CT	SOT-523	NPN	0.150	45	0.10	420-800	5	2	0.60	100	5	100
BC847BS	SOT-363	NPN*2	0.300	45	0.10	200-450	5	2	0.60	100	5	200
BC847BS-TPQ2	SOT-363	NPN*2	0.300	45	0.10	200-450	5	2	0.60	100	5	100
BC847BV	SOT-563	NPN*2	0.150	45	0.10	200-450	5	2	0.30	100	5	100
BCW66F	SOT-23	NPN	0.200	45	0.80	100-250	1	100	0.30	100	10	100
BCW66G	SOT-23	NPN	0.200	45	0.80	110	1	10	0.30	100	10	100
BCW66H	SOT-23	NPN	0.330	45	0.80	180	1	10	0.30	100	10	100
BCX70J	SOT-23	NPN	0.250	45	0.20	250-460	5	2	0.35	10	0.25	100
MMS9014-H	SOT-23	NPN	0.400	45	0.10	450-1000	5	1	0.30	100	5	150
MMS9014-L	SOT-23	NPN	0.400	45	0.10	200-450	5	1	0.30	100	5	150
2SC1623-L5	SOT-23	NPN	0.200	50	0.10	135-270	6	1	0.30	100	10	250
2SC1623-L6	SOT-23	NPN	0.200	50	0.10	200-400	6	1	0.30	100	10	250

Small Signal Bipolar Transistors

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Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain			Base-Emitter Saturation Voltage			Transition Frequency
			P _C (W)	V _{CE0} (V)	I _C (A)	H _{FE}	V _{CE} (V)	I _C (mA)	V _{CE(sat)} (V)	I _C (mA)	I _E (mA)	f _T (MHz)
2SC1623-L7	SOT-23	NPN	0.200	50	0.10	300-600	6	1	0.30	100	10	250
2SC2412-R	SOT-23	NPN	0.200	50	0.15	180-390	6	1	0.40	50	5	150
2SC2412-S	SOT-23	NPN	0.200	50	0.15	270-560	6	1	0.40	50	5	150
2SC2712-Y	SOT-23	NPN	0.150	50	0.15	120-240	6	2	0.10	100	10	80
2SC4081-A	SOT-323	NPN	0.200	50	0.15	120-270	6	1	0.40	50	5	180
2SC4081-B	SOT-323	NPN	0.200	50	0.15	180-390	6	1	0.40	50	5	180
2SC4617-R	SOT-523	NPN	0.150	50	0.15	180-390	6	1	0.40	50	5	180
KTC3875-GR	SOT-23	NPN	0.150	50	0.15	200-400	6	2	0.25	100	10	80
KTC3875-Y	SOT-23	NPN	0.150	50	0.15	120-240	6	2	0.25	100	10	80
MMBT1815-H	SOT-23	NPN	0.200	50	0.15	200-400	6	2	0.25	100	10	80
UMX1N	SOT-363	NPN*2	0.150	50	0.15	120-560	6	1	0.40	50	5	180
FMMT491	SOT-23	NPN	0.500	60	1.00	80	5	1000	0.50	1000	100	150
MMBT3820	SOT-23	NPN	0.300	60	1.00	200	5	1	0.12	100	1	150
MMBTA05	SOT-23	NPN	0.300	60	0.50	100	1	10	0.25	100	10	100
MMSTA05	SOT-323	NPN	0.200	60	0.50	100~400	1	10	0.25	100	10	100
BC846A	SOT-23	NPN	0.200	65	0.10	110-220	5	2	0.50	100	5	100
BC846B	SOT-23	NPN	0.200	65	0.10	200-450	5	2	0.50	100	5	100
BC846C	SOT-23	NPN	0.200	65	0.10	428-800	5	2	0.50	100	5	100
BC846AL3	DFN1006-3	NPN	0.150	65	0.10	110-220	5	2	0.60	100	5	100
BC846BL3	DFN1006-3	NPN	0.150	65	0.10	200-450	5	2	0.60	100	5	100
BC846AM3	SOT-723	NPN	0.265	65	0.10	110-220	5	2	0.30	10	0.5	100
BC846BM3	SOT-723	NPN	0.265	65	0.10	200-450	5	2	0.30	10	0.5	100
BC846AW	SOT-323	NPN	0.200	65	0.10	110-220	5	2	0.25	10	0.5	100
BC846BW	SOT-323	NPN	0.200	65	0.10	200-450	5	2	0.25	10	0.5	100
BC846BSS	SOT-363S	NPN*2	0.200	65	0.10	200-450	5	2	0.10	10	0.5	80
BC846BS	SOT-363	NPN*2	0.200	65	0.10	200-450	5	2	0.10	10	0.5	100
BC846S	SOT-363	NPN*2	0.200	65	0.10	110	5	2	0.10	10	0.5	80
BC846BS-TPQ2	SOT-363	NPN*2	0.200	65	0.10	200-450	5	2	0.10	10	0.5	100
BC846S-TPQ2	SOT-363	NPN*2	0.200	65	0.10	110	5	110	0.10	10	0.5	100
MMBTA06	SOT-23	NPN	0.300	80	0.50	100	1	10	0.25	100	10	100
MMBTA28	SOT-23	NPN	0.200	80	0.50	10000	5	10	1.50	100	0.1	125
MMBTA28L	SOT-23-3L	NPN	0.200	80	0.50	10000	5	10	1.20	10	0.01	125
MMSTA06	SOT-323	NPN	0.200	80	0.50	100~400	1	10	0.25	100	10	100
FMMT493	SOT-23	NPN	0.250	100	1.00	20	10	1000	0.30	500	50	150
MMBT5550	SOT-23	NPN	0.225	140	0.60	60	5	10	0.15	10	1	
FMMT495	SOT-23	NPN	0.300	150	1.00	140	5	200	0.30	500	50	140
MMBT5551	SOT-23	NPN	0.300	160	0.60	100-300	5	10	0.20	50	5	100
MMDT5551	SOT-363	NPN*2	0.200	160	0.20	100-300	5	10	0.15	10	1	300
MMST5551	SOT-323	NPN	0.200	160	0.20	30	5	50	0.20	50	5	300
SMBT5551	SOT23-6L	NPN*2	0.300	160	0.60	100-300	5	10	0.15	10	1	300
MMBTA43	SOT-23	NPN	0.225	200	0.50	25	10	1	0.50	20	2	50
MMBTA42	SOT-23	NPN	0.350	300	0.50	40	10	10	0.50	20	2	50
MMSTA42	SOT-323	NPN	0.200	300	0.20	40	10	10	0.50	20	2	50
MMBTA44	SOT-23	NPN	0.350	400	0.10	40	10	1	0.75	50	5	50

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Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain			Base-Emitter Saturation Voltage			Transition Frequency
			P _C (W)	V _{CE0} (V)	I _C (A)	H _{FE}	V _{CE} (V)	I _C (mA)	V _{CE(sat)} (V)	I _C (mA)	I _E (mA)	f _T (MHz)
MMS8550-H	SOT-23	PNP	0.300	-25	-0.50	200-350	-1	-50	-0.60	-500	-50	150
MMS8550-L	SOT-23	PNP	0.300	-25	-0.50	120-200	-1	-50	-0.60	-500	-50	150
MMS8550A-H	SOT-23	PNP	0.300	-25	-0.50	200-350	-1	-50	-0.60	-500	-50	150
MMS8550A-L	SOT-23	PNP	0.300	-25	-0.50	120-200	-1	-50	-0.60	-500	-50	150
MMS9012-H	SOT-23	PNP	0.300	-25	-0.50	200-350	-1	-50	-0.60	-500	-50	100
MMS9012-L	SOT-23	PNP	0.300	-25	-0.50	120-200	-1	-50	-0.60	-500	-50	100
MMSS8550-H	SOT-23	PNP	0.300	-25	-1.50	200-350	-1	-100	-0.50	-800	-80	100
MMSS8550-L	SOT-23	PNP	0.300	-25	-1.50	120-200	-1	-100	-0.50	-800	-80	100
MMSS8550W-H	SOT-323	PNP	0.200	-25	-1.50	200-350	-1	-100	-0.50	-800	-80	100
2SA1298-Y	SOT-23	PNP	0.200	-30	-0.80	160-320	-1	-100	-0.40	-500	-20	150
BC858AL3	DFN1006-3	PNP	0.150	-30	-0.10	110-220	-5	-2	-0.65	-100	-5	150
BC858BL3	DFN1006-3	PNP	0.150	-30	-0.10	200-450	-5	-2	-0.65	-100	-5	150
BC858CL3	DFN1006-3	PNP	0.150	-30	-0.10	420-800	-5	-2	-0.65	-100	-5	250
BC858AM3	SOT-723	PNP	0.265	-30	-0.10	110-220	-5	-2	-0.30	-10	-0.5	150
BC858BM3	SOT-723	PNP	0.265	-30	-0.10	200-450	-5	-2	-0.30	-10	-0.5	300
BC858CM3	SOT-723	PNP	0.265	-30	-0.10	420-800	-5	-2	-0.30	-10	-0.5	300
BC858AW	SOT-323	PNP	0.200	-30	-0.10	125-250	-5	-2	-0.65	-100	-5	250
BC858BW	SOT-323	PNP	0.200	-30	-0.10	220-475	-5	-2	-0.65	-100	-5	250
BC858CW	SOT-323	PNP	0.200	-30	-0.10	420-800	-5	-2	-0.65	-100	-5	300
BC858A	SOT-23	PNP	0.310	-30	-0.10	125-250	-5	-2	-0.30	-10	-0.5	300
BC858B	SOT-23	PNP	0.310	-30	-0.10	220-475	-5	-2	-0.30	-10	-0.5	250
BC858C	SOT-23	PNP	0.310	-30	-0.10	420-800	-5	-2	-0.30	-10	-0.5	150
BC858CV	SOT-563	PNP*2	0.150	-30	-0.10	420-800	-5	-2	-0.30	-10	-0.5	100
FMMT5130	SOT-23	PNP	0.300	-30	-1.00	300	-2	-100	-0.10	-100	-1	100
MMBTA63	SOT-23	PNP	0.300	-30	-0.50	5000	-5	-10	-1.50	-100	-0.1	100
MMBTA64	SOT-23	PNP	0.300	-30	-0.50	10000	-5	-10	-1.50	-100	-0.1	100
2SA1577-R	SOT-323	PNP	0.200	-32	-0.50	180-390	-3	-10	-0.40	-100	-10	100
DMMT3906	SOT-363	PNP*2	0.200	-40	-0.20	100-300	-1	-10	-0.40	-50	-5	100
FMMT5240	SOT-23	PNP	0.300	-40	-2.00	300	-2	-100	-0.10	-100	-1	100
FMMT591B	SOT-23	PNP	0.300	-40	-1.00	300	-5	-1	-0.20	-100	-1	100
MMBT3906	SOT-23	PNP	0.300	-40	-0.20	100-300	-1	-10	-0.25	-10	-1	100
MMBT3906L3	DFN1006-3	PNP	0.150	-40	-0.20	100-300	-1	-10	-0.40	-50	-5	150
MMBT3906T	SOT-523	PNP	0.150	-40	-0.20	100-300	-1	-10	-0.25	-10	-1	150
MMBT4403	SOT-23	PNP	0.350	-40	-0.60	100	-1	-10	-0.40	-150	-15	150
MMDT3906	SOT-363	PNP*2	0.200	-40	-0.20	100-300	-1	-10	-0.40	-50	-5	150
MMDT3906-TPQ2	SOT-363	PNP*2	0.200	-40	-0.20	100-300	-1	-10	-0.25	-50	-5	150
MMDT3906V	SOT-563	PNP*2	0.150	-40	-0.20	100-300	-1	-10	-0.40	-50	-5	150
MMDT4403	SOT-363	PNP*2	0.200	-40	-0.60	20	-2	-500	-0.75	-500	-50	100
MMST3906	SOT-323	PNP	0.200	-40	-0.20	100-300	-1	-10	-0.30	-50	-5	100
MMST4403	SOT-323	PNP	0.200	-40	-0.60	100-300	-2	-150	-0.40	-150	-15	150
BC807-16	SOT-23	PNP	0.300	-45	-0.50	100-250	-1	-100	-0.70	500	50	150
BC807-25	SOT-23	PNP	0.300	-45	-0.50	160-400	-1	-100	-0.70	500	50	100
BC807-40	SOT-23	PNP	0.300	-45	-0.50	250-600	-1	-100	-0.70	500	50	180
BC807-16W	SOT-323	PNP	0.200	-45	-0.50	100-250	-1	-100	-0.70	-500	-50	100

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Part Number	Package	Polarity	Power Dissipation P _C (W)	Collector-Emitter Breakdown Voltage V _{CE0} (V)	Collector Current I _C (A)	DC Current Gain			Base-Emitter Saturation Voltage			Transition Frequency f _T (MHz)
						H _{FE}	V _{CE} (V)	I _C (mA)	V _{CE(sat)} (V)	I _C (mA)	I _E (mA)	
BC807-25W	SOT-323	PNP	0.200	-45	-0.50	160-400	-1	-100	-0.70	-500	-50	80
BC807-40W	SOT-323	PNP	0.200	-45	-0.50	250-600	-1	-100	-0.70	-500	-50	80
BC807DS	SOT23-6L	PNP*2	0.300	-45	-0.50	160-400	-1	-100	-0.70	-500	-50	80
BC857AL3	DFN1006-3	PNP	0.150	-45	-0.10	110-220	-5	-2	-0.65	-100	-5	100
BC857BL3	DFN1006-3	PNP	0.150	-45	-0.10	200-450	-5	-2	-0.65	-100	-5	100
BC857CL3	DFN1006-3	PNP	0.150	-45	-0.10	420-800	-5	-2	-0.65	-100	-5	100
BC857AM3	SOT-723	PNP	0.265	-45	-0.10	110-220	-5	-2	-0.30	-10	-0.5	100
BC857BM3	SOT-723	PNP	0.265	-45	-0.10	200-450	-5	-2	-0.30	-10	-0.5	100
BC857CM3	SOT-723	PNP	0.265	-45	-0.10	420-800	-5	-2	-0.30	-10	-0.5	100
BC857AW	SOT-323	PNP	0.200	-45	-0.10	125-250	-5	-2	-0.65	-100	-5	100
BC857BW	SOT-323	PNP	0.200	-45	-0.10	220-475	-5	-2	-0.65	-100	-5	100
BC857CW	SOT-323	PNP	0.200	-45	-0.10	420-800	-5	-2	-0.65	-100	-5	100
BC857A	SOT-23	PNP	0.310	-45	-0.10	125-250	-5	-2	-0.30	-10	-0.5	200
BC857B	SOT-23	PNP	0.310	-45	-0.10	220-475	-5	-2	-0.30	-10	-0.5	200
BC857C	SOT-23	PNP	0.310	-45	-0.10	420-800	-5	-2	-0.30	-10	-0.5	200
BC857AT	SOT-523	PNP	0.150	-45	-0.10	125-250	-5	-2	-0.65	-100	-5	100
BC857BT	SOT-523	PNP	0.150	-45	-0.10	220-475	-5	-2	-0.65	-100	-5	100
BC857CT	SOT-523	PNP	0.150	-45	-0.10	420-800	-5	-2	-0.65	-100	-5	100
BC857BS	SOT-363	PNP*2	0.300	-45	-0.20	220-475	-5	-2	-0.30	-10	-0.5	200
BC857BV	SOT-563	PNP*2	0.150	-45	-0.10	200-475	-5	-2	-0.40	-100	-5	100
BC857S	SOT-363	PNP*2	0.300	-45	-0.20	125-630	-5	-2	-0.30	-10	-0.5	200
BCW68G	SOT-23	PNP	0.330	-45	-0.80	160-240	-1	-100	-0.30	-100	-10	200
BCW68H	SOT-23	PNP	0.330	-45	-0.80	250-630	-2	-100	-0.30	-100	-10	100
MMS9015-H	SOT-23	PNP	0.200	-45	-0.10	450-1000	-5	-1	-0.30	-100	-10	150
MMS9015-L	SOT-23	PNP	0.200	-45	-0.10	200-450	-5	-1	-0.30	-100	-10	150
2SA1037-R	SOT-23	PNP	0.200	-50	-0.15	180-390	-6	-1	-0.50	-5	-5	120
2SA1576A-Q	SOT-323	PNP	0.200	-50	-0.15	120-270	-6	-1	-0.50	-50	-5	100
2SA1576A-R	SOT-323	PNP	0.200	-50	-0.15	180-390	-6	-1	-0.50	-50	-5	100
2SA1774-R	SOT-523	PNP	0.150	-50	-0.15	180-390	-6	-1	-0.50	-50	-5	140
2SA812-M6	SOT-23	PNP	0.200	-50	-0.10	200-400	-6	-1	-0.30	-100	-10	180
2SA812-M7	SOT-23	PNP	0.200	-50	-0.10	300-600	-6	-1	-0.30	-100	-10	180
FMMT591	SOT-23	PNP	0.500	-60	-1.00	100-300	-5	-500	-0.60	-1000	-100	150
MMBT2907A	SOT-23	PNP	0.350	-60	-0.60	100	-10	-10	-0.40	-150	-15	200
MMBT2907AT	SOT-523	PNP	0.150	-60	-0.60	100-300	-10	-10	-0.40	-150	-15	140
MMBTA55	SOT-23	PNP	0.225	-60	-0.50	100	-1	-10	-0.25	-100	-10	50
MMDT2907A	SOT-363	PNP*2	0.200	-60	-0.60	100	-10	-10	-0.40	-150	-15	200
MMDT2907A-TPQ2	SOT-363	PNP*2	0.200	-60	-0.60	100	-10	-10	-0.40	-150	-15	200
MMDT2907V	SOT-563	PNP*2	0.150	-60	-0.60	100	-10	-1	-0.40	-150	-15	200
MMST2907A	SOT-323	PNP	0.200	-60	-0.60	100	-10	-1	-1.60	-500	-50	200
SMBT2907A	SOT23-6L	PNP*2	0.700	-60	-0.60	100-300	-10	-150	-0.40	-150	-15	200
BC856A	SOT-23	PNP	0.310	-65	-0.10	125-250	-5	-2	-0.30	-10	-0.5	200
BC856B	SOT-23	PNP	0.310	-65	-0.10	220-475	-5	-2	-0.30	-10	-0.5	200
BC856AL3	DFN1006-3	PNP	0.150	-65	-0.10	110-220	-5	-2	-0.65	-100	-5	100
BC856BL3	DFN1006-3	PNP	0.150	-65	-0.10	200-450	-5	-2	-0.65	-100	-5	100

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Part Number	Package	Polarity	Power Dissipation P _C (W)	Collector-Emitter Breakdown Voltage V _{CE0} (V)	Collector Current I _C (A)	DC Current Gain			Base-Emitter Saturation Voltage			Transition Frequency f _T (MHz)
						H _{FE}	V _{CE} (V)	I _C (mA)	V _{CE(sat)} (V)	I _C (mA)	I _E (mA)	
BC856AM3	SOT-723	PNP	0.265	-65	-0.10	110-220	-5	-2	-0.30	-10	-0.5	100
BC856BM3	SOT-723	PNP	0.265	-65	-0.10	200-450	-5	-2	-0.30	-10	-0.5	100
BC856AW	SOT-323	PNP	0.200	-65	-0.10	125-250	-5	-2	-0.65	-100	-5	100
BC856BW	SOT-323	PNP	0.200	-65	-0.10	220-475	-5	-2	-0.65	-100	-5	100
BC856BS	SOT-363	PNP*2	0.200	-65	-0.10	200-450	-5	-2	-0.30	-10	-0.5	100
BC856BS-TPQ2	SOT-363	PNP*2	0.200	-65	-0.10	200-450	-5	-2	-0.30	-10	-0.5	100
BC856S	SOT-363	PNP*2	0.200	-65	-0.10	110	-5	-2	-0.30	-10	-0.5	100
MMBTA56	SOT-23	PNP	0.225	-80	-0.50	100	-1	-10	-0.25	-100	-10	50
MMSTA56	SOT-323	PNP	0.200	-80	-0.50	100	-1	-10	-0.25	-100	-10	100
MMBT5401	SOT-23	PNP	0.300	-150	-0.60	100-300	-5	-10	-0.50	-50	-5	100
MMDT5401	SOT-363	PNP*2	0.200	-150	-0.20	100-300	-5	-10	-0.50	-50	-5	300
MMST5401	SOT-323	PNP	0.200	-150	-0.20	60-300	-5	-10	-0.50	-50	-5	300
MMBTA92	SOT-23	PNP	0.300	-300	-0.30	100-200	-10	-10	-0.20	-20	-2	50
MMSTA92	SOT-323	PNP	0.200	-300	-0.10	40	-10	-10	-0.40	-20	-2	50
EMZ7	SOT-563	NPN+PNP	0.200	12/-12	0.5/-0.5	200	2/-2	10/-10	0.22/-0.22	200/-200	10/-10	420
MMDT2227	SOT-363	NPN+PNP	0.200	40/-60	0.6/-0.6	35/75	10/-10	0.1/-0.1	0.3/-0.4	150/-150	15/-15	300/200
MMDT3946	SOT-363	NPN+PNP	0.200	40/-40	0.2/-0.2	100-300	1/-1	10/-10	0.3/-0.4	50/-50	5/-5	300/250
MMDT3946-TPQ2	SOT-363	NPN+PNP	0.200	40/-40	0.2/-0.2	100-300	1/-1	10/-10	0.3/-0.4	50/-50	5/-5	300/250
MMDT4413	SOT-363	NPN+PNP	0.200	40/-40	0.6/-0.6	40/20	2/-2	500/-500	0.75/-0.75	500/-500	50/-50	250/200
SMBT2227A	SOT23-6L	NPN+PNP	0.700	40/-60	0.6/-0.6	100-300	10/-10	150/-150	0.3/-0.4	150/-150	15/-15	300/200
BC817DPN	SOT23-6L	NPN+PNP	0.370	45/-45	0.5/-0.5	160-400	1/-1	100/-100	0.7/-0.70	500/-500	50/-50	100/80
BC847PN	SOT-363	NPN+PNP	0.200	45/-45	0.1/-0.1	200-450/220-475	5/-5	2/-2	0.25/-0.30	10/-10	0.5/-0.5	100
BC847PN-TPQ2	SOT-363	NPN+PNP	0.200	45/-45	0.1/-0.1	200-450/220-475	5/-5	2/-2	0.25/-0.30	10/-10	0.5/-0.5	100
BC847VPN	SOT-563	NPN+PNP	0.200	45/-45	0.1/-0.1	200-450/220-475	5/-5	2/-2	0.25/-0.30	10/-10	0.5/-0.5	100
EMZ1	SOT-563	NPN+PNP	0.150	50/-50	0.15/-0.15	120-560	6/-6	1/-1	0.4/-0.5	50/-50	5/-5	180/140
EMZ1-TPQ2	SOT-563	NPN+PNP	0.150	50/-50	0.15/-0.15	120-560	6/-6	1/-1	0.4/-0.5	50/-50	5/-5	180/140
UMZ2N	SOT-363	NPN+PNP	0.150	50/-50	0.15/-0.15	120-560	6/-6	1/-1	0.4/-0.5	50/-50	5/-5	180/140
BC846BPN	SOT-363	NPN+PNP	0.200	65/-65	0.1/-0.1	200-450	5/-5	2/-2	0.1/-0.3	10/-10	0.5/-0.5	100
BC846BPN-TPQ2	SOT-363	NPN+PNP	0.200	65/-65	0.1/-0.1	200-450	5/-5	2/-2	0.1/-0.3	10/-10	0.5/-0.5	100
MMDT5451	SOT-363	NPN+PNP	0.200	160/-150	0.2/-0.2	100-300	5/-5	10/-10	0.2/-0.5	50/-50	5/-5	100-300
SMBT445V6	SOT23-6L	NPN+Zener	0.380	40	0.60	100-300	1	0.15	0.40	150	15	250
SMBT445V6A	SOT23-6L	NPN+Zener	0.380	45	0.50	250-600	1	100	0.70	500	50	100

Medium Power Bipolar Transistors

Medium Power Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain			Base-Emitter Saturation Voltage			Transition Frequency
			P _C (W)	V _{CE0} (V)	I _C (A)	H _{FE}	V _{CE} (V)	I _C (mA)	V _{CE(sat)} (V)	I _C (mA)	I _E (mA)	f _T (MHz)
PXT8050-D	SOT-89	NPN	0.5	25	1.5	160-300	1	100	0.5	800	80	100
BD882-Y	SOT-89	NPN	0.5	30	3	160-320	2	1000	0.5	2000	200	50
2SD1664-R	SOT-89	NPN	0.5	32	1	180-390	3	100	0.4	500	50	150
PXT2222A	SOT-89	NPN	0.5	40	0.6	100-300	10	150	0.3	150	15	300
PXT3904	SOT-89	NPN	0.5	40	0.2	100-300	1	10	0.2	10	1	300
PZT2222A	SOT-223	NPN	1	40	0.6	100-300	10	150	0.3	150	15	300
PZT3904	SOT-223	NPN	1	40	0.2	100-300	1	10	0.2	10	1	300
BCP54-16	SOT-223	NPN	1.5	45	1	100-250	2	150	0.5	500	50	100
BCX54	SOT-89	NPN	0.5	45	1	63-250	2	150	0.5	500	50	130
BCX54-16	SOT-89	NPN	0.5	45	1	100-250	2	150	0.5	500	50	130
2SC2873-Y	SOT-89	NPN	0.5	50	2	120-240	2	500	0.5	1000	50	120
FMMT4350X	SOT-89	NPN	0.5	50	3	300	2	100	0.08	500	50	100
BCP55-16	SOT-223	NPN	1.5	60	1	100-250	2	150	0.5	500	50	100
BCX55	SOT-89	NPN	0.5	60	1	63-250	2	150	0.5	500	50	130
BCX55-16	SOT-89	NPN	0.5	60	1	100-250	2	150	0.5	500	50	130
BD882HY	SOT-89	NPN	0.5	70	3	160-320	2	1000	0.5	2000	200	50
2SD1898-R	SOT-89	NPN	0.5	80	1	180-390	3	500	0.15	500	20	100
BCP56-16	SOT-223	NPN	1.5	80	1	100-250	2	150	0.5	500	50	100
BCX56	SOT-89	NPN	0.5	80	1	63-250	2	150	0.5	500	50	130
BCX56-16	SOT-89	NPN	0.5	80	1	100-250	2	150	0.5	500	50	130
MJD122	DPAK	NPN	1.5	100	8	1000-12000	4	4000	2	4000	16	
MJD31C	DPAK	NPN	1.25	100	3	10-75	4	3000	1.2	3000	375	3
TIP122L	TO-220	NPN	2	100	5	1000	3	500	2	3000	12	
TIP31C	TO-220	NPN	2	100	3	25	4	1000	1.2	3000	375	3
TIP41C	TO-220	NPN	2	100	6	30	4	300	1.5	6000	600	3
2SC2881-Y	SOT-89	NPN	0.5	120	0.8	120-240	5	100	1	500	50	120
2SC2383P-O	SOT-89	NPN	0.5	160	1	100-200	5	200	1	500	50	20
2SC2383P-Y	SOT-89	NPN	0.5	160	1	160-320	5	200	1	500	50	20
CXT5551	SOT-89	NPN	0.5	160	0.6	80	5	1	0.15	10	1	100
PZT5551	SOT-223	NPN	1	160	0.6	80	5	1	0.15	10	1	300
PZTA42	SOT-223	NPN	1	300	0.2	25	10	1	0.5	20	2	50
2SB1386-R	SOT-89	PNP	0.5	-20	-5	180-390	-2	-500	-1	-4000	-100	120
BC869	SOT-89	PNP	0.5	-20	-1	100-375	-1	-500	-0.5	-1000	-100	40
BC869-25	SOT-89	PNP	0.5	-20	-1	160-375	-1	-500	-0.5	-1000	-100	40
2SB1412-R	DPAK	PNP	1	-30	-5	180-390	-2	-500	-1	-4000	-100	120
BD772-Y	SOT-89	PNP	0.5	-30	-3	160-320	-2	-1000	-0.5	-2000	-200	80
2SB1188-Q	SOT-89	PNP	0.5	-32	-2	120-270	-3	-500	-0.8	-2000	-200	80
FMMT5240X	SOT-89	PNP	0.5	-40	-2	300	-5	-1	-0.14	-100	-5	100
PXT3906	SOT-89	PNP	0.5	-40	-0.2	100-300	-1	-10	-0.25	-10	-1	250
BCP51-16	SOT-223	PNP	1.5	-45	-1	100-250	-2	-150	-0.5	-500	-50	100
2SA1213-Y	SOT-89	PNP	0.5	-50	-2	120-240	-2	-500	-0.5	1000	50	120
2SB1184-Q	DPAK	PNP	1	-50	-3	120-270	-3	-500	-1	-2000	-200	70
FMMT5350X	SOT-89	PNP	0.5	-50	-3	200	-2	-500	-0.09	-500	-50	100
BCP52-16	SOT-223	PNP	1.5	-60	-1	100-250	-2	-150	-0.5	-500	-50	100

Medium Power Bipolar Transistors

Medium Power Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain			Base-Emitter Saturation Voltage			Transition Frequency
			P _C (W)	V _{CE0} (V)	I _C (A)	H _{FE}	V _{CE} (V)	I _C (mA)	V _{CE(sat)} (V)	I _C (mA)	I _E (mA)	f _T (MHz)
BCX52	SOT-89	PNP	0.5	-60	-1	63-250	-2	-150	-0.5	-500	-50	50
BCX52-16	SOT-89	PNP	0.5	-60	-1	100-250	-2	-150	-0.5	-500	-50	50
PZT2907A	SOT-223	PNP	1	-60	-0.6	100-300	-10	-150	-0.4	-150	-15	200
TIP42A	TO-220	PNP	2	-60	-6	30	-4	-300	-1.5	-6000	-600	3
BCP53-16	SOT-223	PNP	1.5	-80	-1	100-250	-2	-150	-0.5	-500	-50	100
BCX53	SOT-89	PNP	0.5	-80	-1	63-250	-2	-150	-0.5	-500	-50	50
BCX53-16	SOT-89	PNP	0.5	-80	-1	100-250	-2	-150	-0.5	-500	-50	50
MJD127	DPAK	PNP	1.5	-100	-8	1000-12000	-4	-4000	-2	-4000	-16	
MJD32C	DPAK	PNP	1.25	-100	-3	10-50	-4	-3000	-1.2	-3000	-375	3
TIP127L	TO-220	PNP	2	-100	-5	1000	-3	-500	-2	-3000	-12	
TIP32C	TO-220	PNP	2	-100	-3	25	-4	-1000	-1.2	-3000	-375	3
TIP42C	TO-220	PNP	2	-100	-6	30	-4	-300	-1.5	-6000	-600	3
CXT5401	SOT-89	PNP	0.5	-150	-0.5	50	-5	-1	-0.2	-10	-1	100

Pre-biased Transistors

Pre-biased Transistors

Part Number	Package	Polarity	Power Dissipation	Output Current	Supply Voltage	DC Current Gain	Output Voltage	Input Resistance		Transition Frequency
			P _o (mW)	I _o (mA)	V _{cc} (V)	G _i	V _o (V)	R _i (KΩ)	R _e (KΩ)	f _t (MHZ)
DTC115EM	SOT-723	NPN	100	100	50	82	0.3	100	100	250
DTC123EM	SOT-723	NPN	100	100	50	20	0.3	2.2	2.2	250
DTC123JM	SOT-723	NPN	100	100	50	80	0.3	2.2	47	250
DTC124XM	SOT-723	NPN	100	100	50	68	0.3	22	47	200
DTC143TM	SOT-723	NPN	100	100	50	600	0.3	4.7		250
DTC143ZM	SOT-723	NPN	100	100	50	80	0.3	4.7	47	250
DTC144EM	SOT-723	NPN	100	100	50	68	0.3	47	47	250
DTC114EE	SOT-523	NPN	150	100	50	30	0.3	10	10	250
DTC114EM	SOT-723	NPN	150	100	50	30	0.3	10	10	250
DTC114TE	SOT-523	NPN	150	100	50	300	0.3	10		250
DTC114YE	SOT-523	NPN	150	100	50	68	0.3	10	47	250
DTC123JE	SOT-523	NPN	150	100	50	80	0.3	2.2	47	250
DTC124EE	SOT-523	NPN	150	100	50	56	0.3	22	22	250
DTC143EE	SOT-523	NPN	150	100	50	20	0.3	4.7	4.7	250
DTC143EM	SOT-723	NPN	150	100	50	20	0.3	4.7	4.7	250
DTC143TE	SOT-523	NPN	150	100	50	300	0.3	4.7		250
DTC143ZE	SOT-523	NPN	150	100	50	80	0.3	4.7	47	250
DTC144EE	SOT-523	NPN	150	100	50	68	0.3	47	47	250
DTC144EL3	DFN1006-3	NPN	150	100	50	68	0.3	47	47	200
DTC144TE	SOT-523	NPN	150	100	50	300	0.3	47		250
EMH10	SOT-563	NPN*2	150	100	50	80	0.3	2.2	47	250
EMH11	SOT-563	NPN*2	150	100	50	30	0.3	10	10	250
EMH13	SOT-563	NPN*2	150	100	50	80	0.3	4.7	47	250
EMH4	SOT-563	NPN*2	150	100	50	600	0.3	10		250
EMH9	SOT-563	NPN*2	150	100	50	68	0.3	10	47	200
UMH10N	SOT-363	NPN*2	150	100	50	80	0.3	2.2	47	250
UMH11N	SOT-363	NPN*2	150	100	50	30	0.3	10	10	250
UMH13N	SOT-363	NPN*2	150	100	50	80	0.3	4.7	47	250
UMH15N	SOT-363	NPN*2	150	100	50	20	0.3	4.7	4.7	250
UMH1N	SOT-363	NPN*2	150	100	50	56	0.3	22	22	250
UMH2N	SOT-363	NPN*2	150	100	50	68	0.3	47	47	250
UMH3N	SOT-363	NPN*2	150	100	50	600	0.3	4.7		250
UMH9N	SOT-363	NPN*2	150	100	50	68	0.3	10	47	250
DDTC123YCA	SOT-23	NPN	200	500	50	56	0.3	2.2	10	200
DDTC142TC	SOT-23	NPN	200	500	50	56	5	0.47		200
DTC113ZCA	SOT-23	NPN	200	100	50	33	0.3	1	10	250
DTC113ZUA	SOT-323	NPN	200	100	50	33	0.3	1	10	250
DTC114EUA	SOT-323	NPN	200	100	50	30	0.3	10	10	250
DTC114TCA	SOT-23	NPN	200	100	50	300	0.3	10		250
DTC114TUA	SOT-323	NPN	200	100	50	300	0.3	10		250
DTC114YM	SOT-723	NPN	200	100	50	68	0.3	10	47	250
DTC114YUA	SOT-323	NPN	200	100	50	68	0.3	10	47	250
DTC123ECA	SOT-23	NPN	200	100	50	20	0.3	2.2	2.2	250
DTC123EUA	SOT-323	NPN	200	100	50	20	0.3	2.2	2.2	250

Pre-biased Transistors

Pre-biased Transistors

Part Number	Package	Polarity	Power Dissipation	Output Current	Supply Voltage	DC Current Gain	Output Voltage	Input Resistance		Transition Frequency
			P _o (mW)	I _o (mA)	V _{cc} (V)	G _i	V _o (V)	R _i (KΩ)	R _e (KΩ)	f _t (MHZ)
DTC123JCA	SOT-23	NPN	200	100	50	80	0.3	2.2	47	250
DTC123JUA	SOT-323	NPN	200	100	50	80	0.3	2.2	47	250
DTC123YCA	SOT-23	NPN	200	100	50	33	0.3	2.2	10	250
DTC123YUA	SOT-323	NPN	200	100	50	33	0.3	2.2	10	250
DTC124ECA	SOT-23	NPN	200	100	50	56	0.3	22	22	250
DTC124EUA	SOT-323	NPN	200	100	50	56	0.3	22	22	250
DTC143ECA	SOT-23	NPN	200	100	50	20	0.3	4.7	4.7	250
DTC143EUA	SOT-323	NPN	200	100	50	20	0.3	4.7	4.7	250
DTC143TCA	SOT-23	NPN	200	100	50	600	0.3	4.7		250
DTC143TUA	SOT-323	NPN	200	100	50	300	0.3	4.7		250
DTC143XCA	SOT-23	NPN	200	100	50	30	0.3	4.7	10	200
DTC143XUA	SOT-323	NPN	200	100	50	30	0.3	4.7	10	250
DTC143ZUA	SOT-323	NPN	200	100	50	80	0.3	4.7	47	250
DTC144ECA	SOT-23	NPN	200	100	50	68	0.3	47	47	250
DTC144EUA	SOT-323	NPN	200	100	50	68	0.3	47	47	250
DTC144TCA	SOT-23	NPN	200	100	50	300	0.3	47		250
DTC144TUA	SOT-323	NPN	200	100	50	300	0.3	47		250
UMH18N	SOT-363	NPN*2	200	100	50	50	0.3	4.7	10	250
DTC114YCA	SOT-23	NPN	230	100	50	80	0.3	10	47	250
DTC114ECA	SOT-23	NPN	246	100	50	35	0.25	10	10	250
DTC143ZCA	SOT-23	NPN	246	100	50	80	0.3	4.7	47	250
DDTC113ZCA	SOT-23	NPN	250	500	50	70	0.3	1	10	250
DTA114EM	SOT-723	PNP	100	-100	-50	30	-0.3	10	10	250
DTA114YM	SOT-723	PNP	100	-70	-50	68	-5	10	47	250
DTA123JM	SOT-723	PNP	100	-100	-50	80	-0.3	2.2	47	250
DTA144EM	SOT-723	PNP	100	-100	-50	68	-0.3	47	47	250
DTA114EE	SOT-523	PNP	150	-100	-50	30	-0.3	10	10	250
DTA114TE	SOT-523	PNP	150	-100	-50	250	-0.3	10		250
DTA123EE	SOT-523	PNP	150	-100	-50	20	-0.3	2.2	2.2	
DTA123JE	SOT-523	PNP	150	-100	-50	80	-0.3	2.2	47	250
DTA124EE	SOT-523	PNP	150	-100	-50	56	-0.3	22	22	250
DTA143EE	SOT-523	PNP	150	-100	-50	30	-0.3	4.7	4.7	250
DTA143ZE	SOT-523	PNP	150	-100	-50	80	-0.3	4.7	47	250
DTA144EE	SOT-523	PNP	150	-100	-50	68	-0.3	47	47	250
UMB18N	SOT-363	PNP*2	150	-100	-50	30	-0.3	4.7	10	200
UMB4N	SOT-363	PNP*2	150	-100	-50	100	-0.3	10		250
UMB9N	SOT-363	PNP*2	150	-100	-50	68	-0.3	10	47	200
DDTA123YCA	SOT-23	PNP	200	-500	-50	56	-0.3	2.2	10	200
DTA113ZCA	SOT-23	PNP	200	-100	-50	33	-0.3	1	10	250
DTA113ZUA	SOT-323	PNP	200	-100	-50	33	-0.3	1	10	200
DTA114ECA	SOT-23	PNP	200	-100	-50	30	-0.3	10	10	250
DTA114EUA	SOT-323	PNP	200	-100	-50	30	-0.3	10	10	250
DTA114TCA	SOT-23	PNP	200	-100	-50	250	-0.3	10		250
DTA114TUA	SOT-323	PNP	200	-100	-50	250	-0.3	10		250

Pre-biased Transistors

Part Number	Package	Polarity	Power Dissipation	Output Current	Supply Voltage	DC Current Gain	Output Voltage	Input Resistance		Transition Frequency
			P _o (mW)	I _o (mA)	V _{cc} (V)	G _i	V _o (V)	R _i (KΩ)	R _e (KΩ)	f _t (MHZ)
DTA114YCA	SOT-23	PNP	200	-100	-50	68	-0.3	10	47	250
DTA114YUA	SOT-323	PNP	200	-100	-50	68	-0.3	10	47	250
DTA123ECA	SOT-23	PNP	200	-100	-50	30	-0.3	2.2	2.2	250
DTA123EUA	SOT-323	PNP	200	-100	-50	20	-0.3	2.2	2.2	250
DTA123JCA	SOT-23	PNP	200	-100	-50	80	-0.3	2.2	47	250
DTA123JUA	SOT-323	PNP	200	-100	-50	80	-0.3	2.2	47	250
DTA123YCA	SOT-23	PNP	200	-100	-50	33	-0.3	2.2	10	250
DTA123YUA	SOT-323	PNP	200	-100	-50	33	-0.3	2.2	10	250
DTA124ECA	SOT-23	PNP	200	-100	-50	56	-0.3	22	22	250
DTA124EUA	SOT-323	PNP	200	-100	-50	56	-0.3	22	22	250
DTA143ECA	SOT-23	PNP	200	-100	-50	30	-0.3	4.7	4.7	250
DTA143EUA	SOT-323	PNP	200	-100	-50	30	-0.3	4.7	4.7	250
DTA143XCA	SOT-23	PNP	200	-100	-50	30	-0.3	4.7	10	250
DTA143XUA	SOT-323	PNP	200	-100	-50	30	-0.3	4.7	10	250
DTA143ZCA	SOT-23	PNP	200	-100	-50	80	-0.25	4.7	47	250
DTA143ZUA	SOT-323	PNP	200	-100	-50	80	-0.3	4.7	47	250
DTA144ECA	SOT-23	PNP	200	-100	-50	68	-0.3	47	47	250
DTA144EUA	SOT-323	PNP	200	-100	-50	68	-0.3	47	47	250
EMD16	SOT-563	NPN+PNP	150	100/-100	50/-50	56	0.3/-0.3	22	47	250
EMD22	SOT-563	NPN+PNP	150	100/-100	50/-50	80	0.3/-0.3	4.7	47	250
EMD9	SOT-563	NPN+PNP	150	100/-100	50/-50	68	0.3/-0.3	10	47	250
EMD9-TPQ2	SOT-563	NPN+PNP	150	100/-100	50/-50	68	0.3/-0.3	10	47	250
UMD10N	SOT-363	NPN+PNP	150	100/-100	50/-50	80	0.3/-0.3	2.2	47	250
UMD12N	SOT-363	NPN+PNP	150	100/-100	50/-50	68	0.3/-0.3	47	47	250
UMD12N-TPQ2	SOT-363	NPN+PNP	150	100/-100	50/-50	68	0.3/-0.3	47	47	200
UMD15N	SOT-363	NPN+PNP	150	100/-100	50/-50	20	0.3/-0.3	4.7	4.7	250
UMD18N	SOT-363	NPN+PNP	150	100/-100	50/-50	30	0.3/-0.3	4.7	10	200
UMD22N	SOT-363	NPN+PNP	150	100/-100	50/-50	80	0.3/-0.3	4.7	47	250
UMD2N	SOT-363	NPN+PNP	150	100/-100	50/-50	56	0.3/-0.3	22	22	250
UMD3N	SOT-363	NPN+PNP	150	100/-100	50/-50	30	0.3/-0.3	10	10	250
UMD9N	SOT-363	NPN+PNP	150	100/-100	50/-50	68	0.3/-0.3	10	47	250
UMD9N-TPQ2	SOT-363	NPN+PNP	150	100/-100	50/-50	68	0.3/-0.3	10	47	250
UMF21N	SOT-363	NPN+PNP	150	100/-100	50	30	0.3	10	10	250
EMD3	SOT-563	NPN+PNP	200	100/-100	50/-50	30	0.3/-0.3	10	10	250
EMD3-TPQ2	SOT-563	NPN+PNP	200	100/-100	50/-50	30	0.3/-0.3	10	10	250

We Offer True Competitive Advantages



Strategic partnership



Innovative solutions



Speed to market



Preferred partner pricing



Cost savings



Worldwide support



Enhanced profits



Ongoing innovation



Product reliability

Voltage Regulators

Fixed and Adjustable Positive/Negative Voltage Regulators. Series and Shunt configurations are also available.

Voltage Regulators.....107

Voltage Regulators

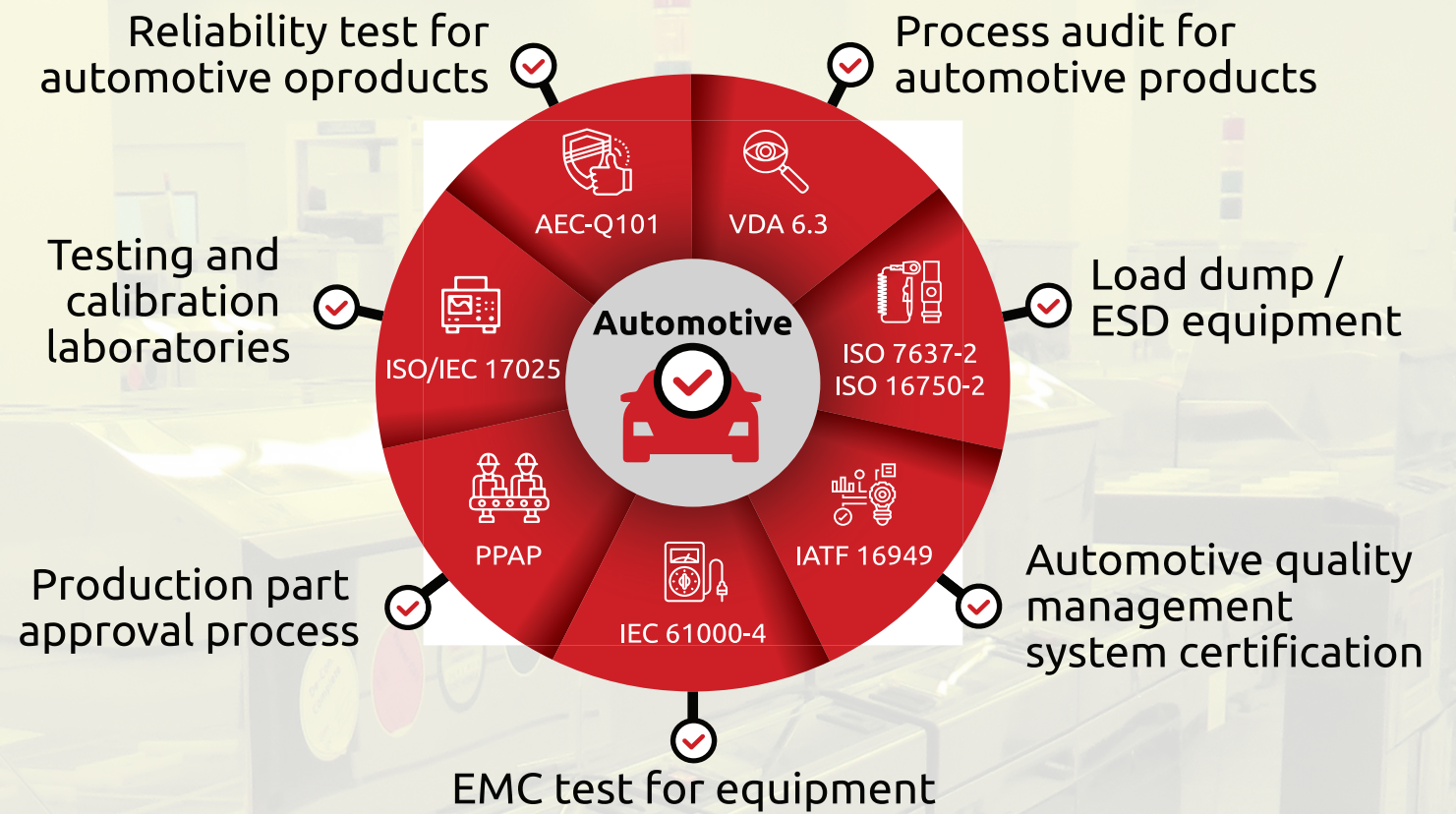
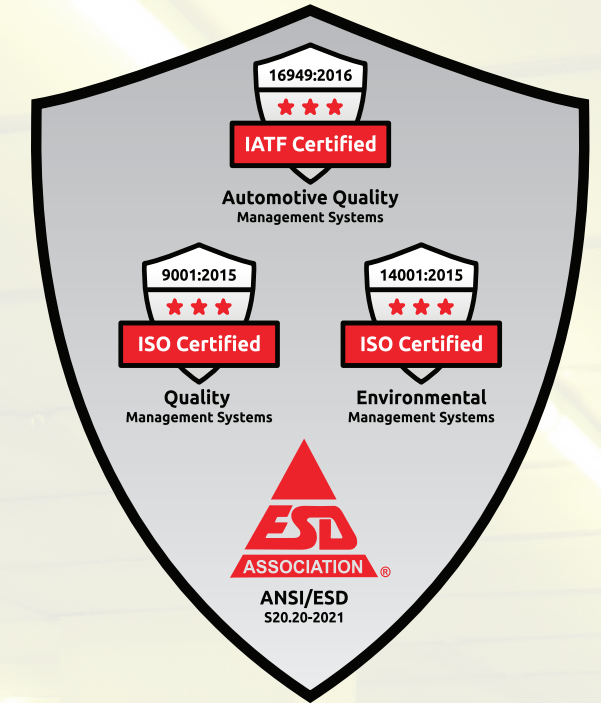
Voltage Regulators

Part Number	Package	Maximum Output Current	Output Voltage @ TJ = 25°C		Input Voltage		Operating Temperature
			Io (A)	Vo(V) Min	Vo(V) Max	Vi(V) Min	
MC78M05CDT	DPAK	0.5	4.8	5.2		35	0~125
MC78M06CDT	DPAK	0.5	5.75	6.25	8	25	0~125
MC78M08CDT	DPAK	0.5	7.7	8.3	10.5	25	0~125
MC78M12CDT	DPAK	0.5	11.5	12.5		35	0~125
MC78M15CDT	DPAK	0.5	14.25	15.75		35	0~125
MCT1117C-1.2	SOT-223	1	1.176	1.224	2.7	10	-20~125
MCT1117C-1.5	SOT-223	1	1.47	1.53	3	10	-20~125
MCT1117C-1.8	SOT-223	1	1.764	1.836	3.3	12	-20~125
MCT1117C-2.5	SOT-223	1	2.45	2.55	4	12	-20~125
MCT1117C-2.85	SOT-223	1	2.793	2.907	4.35	12	-20~125
MCT1117C-3.3	SOT-223	1	3.234	3.366	4.8	12	-20~125
MCT1117C-5.0	SOT-223	1	4.9	5.1	6.5	12	-20~125
MCT1117C-ADJ	SOT-223	1	1.225	1.275	2.75	12	-20~125
TL431HA	SOT-23	0.1	2.487	2.512		36	-40~125
TL431KA	SOT-23	0.1	2.483	2.507		36	-40~125
TL431KB	SOT-23	0.1	2.485	2.505		36	-40~125
TL431KC	SOT-23	0.05	2.485	2.505		36	-40~125
TL431KCS	SOT-23	0.1	2.485	2.505		36	-40~125
TL431LA	SOT-23	0.1	2.483	2.507		36	-40~125
MC6225K3-1.2	SOT-23-3L	0.5	1.176	1.224	1.8	6	-40~125
MC6225K3-1.8	SOT-23-3L	0.5	1.764	1.836	1.8	6	-40~125
MC6225K3-2.5	SOT-23-3L	0.5	2.45	2.55	1.8	6	-40~125
MC6225K3-3.3	SOT-23-3L	0.5	3.234	3.366	1.8	6	-40~125
MC6225-1.2	SOT23-5L	0.5	1.176	1.224	1.8	6	-40~125
MC6225-1.8	SOT23-5L	0.5	1.764	1.836	1.8	6	-40~125
MC6225-2.5	SOT23-5L	0.5	2.45	2.55	1.8	6	-40~125
MC6225-3.0	SOT23-5L	0.5	2.94	3.06	1.8	6	-40~125
MC6225-3.3	SOT23-5L	0.5	3.234	3.366	1.8	6	-40~125
MC6230-1.2	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6230-1.5	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6230-1.8	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6230-2.5	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6230-2.8	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6230-3.0	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6230-3.3	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6230-3.6	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6300-ADJ	SOT23-5L	0.5	0.6	5.5	1.8	7	-40~85
MC78L05F	SOT-89	0.1	4.8	5.2	7	20	-20~120
MC78L05FA	SOT-89	0.1	4.8	5.2	7	20	-25~125
MC78L06F	SOT-89	0.1	5.75	6.25	8.5	20	-20~120
MC78L08F	SOT-89	0.1	7.7	8.3	10.5	23	-25~125
MC79L05F	SOT-89	0.1	-4.8	-5.2	-7	-20	-30~75
MC79L06F	SOT-89	0.1	-5.76	-6.24	-8.5	-20	-30~75
MC79L08F	SOT-89	0.1	-7.68	-8.32	-10.5	-30	-30~75

Voltage Regulators

Part Number	Package	Maximum Output Current I _o (A)	Output Voltage @ T _J = 25°C		Input Voltage		Operating Temperature T _{opr} (°C)
			V _o (V) Min	V _o (V) Max	V _i (V) Min	V _i (V) Max	
MCA1117C-1.8	SOT-89	0.8	1.764	1.836	3.3	12	-25~125
MCA1117C-2.5	SOT-89	0.8	2.45	2.55	4	12	-25~125
MCA1117C-3.3	SOT-89	0.8	3.234	3.366	4.8	12	-25~125
MCA1117C-5.0	SOT-89	0.8	4.9	5.1	6.5	12	-25~125
MCA1117C-ADJ	SOT-89	0.8	1.225	1.275	2.75	12	-25~125
MC7805CT	TO-220	1.5	4.8	5.2	7	20	-20~125

Our Automotive Components Comply With Industry Standards



Power Modules

When the utmost levels of efficiency and reliability are required, MCC has the power modules to reduce parasitic elements while combining quality semiconductors into a single module package. Count on us to deliver advanced packaging technology and a compact footprint in diverse packages and configurations.

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Power Modules

Standard Recovery Power Modules

Part Number	Package	Number of Functions	Working Peak Reverse Voltage	Average Forward Current	Forward Peak Surge Current	Forward Voltage Per Element	At Rated Forward Current	Max.DC Reverse Current at Rated DC Blocking Voltage
			V_{RRM} (V)	I_O (A)	I_{FSM} (A)	V_F (V)	I_F (A)	I_R (mA)
MD200U08D2	D2	Single	800	200	6800	1.30	300	9.0
MD200U12D2	D2	Single	1200	200	6800	1.30	300	9.0
MD200U16D2	D2	Single	1600	200	6800	1.30	300	9.0
MD200U18D2	D2	Single	1800	200	6800	1.30	300	9.0
MD36C08D1	D1	Dual	800	36	650	1.40	100	5.0
MD36C12D1	D1	Dual	1200	36	650	1.40	100	5.0
MD36A16D1	D1	Dual	1600	36	650	1.40	100	5.0
MD36C16D1	D1	Dual	1600	36	650	1.40	100	5.0
MD36K16D1	D1	Dual	1600	36	650	1.40	100	5.0
MD36C18D1	D1	Dual	1800	36	650	1.40	100	5.0
MD60A16D1	D1	Dual	1600	60	1150	1.45	200	5.0
MD60C16D1	D1	Dual	1600	60	1150	1.45	200	5.0
MD60K16D1	D1	Dual	1600	60	1150	1.45	200	5.0
MD70A08D1	D1	Dual	800	70	1400	1.30	200	5.0
MD70A12D1	D1	Dual	1200	70	1400	1.30	200	5.0
MD70A16D1	D1	Dual	1600	70	1400	1.30	200	5.0
MD70K16D1	D1	Dual	1600	70	1400	1.30	200	5.0
MD70A18D1	D1	Dual	1800	70	1400	1.30	200	5.0
MD100A08D1	D1	Dual	800	100	2500	1.40	300	5.0
MD100A12D1	D1	Dual	1200	100	2500	1.40	300	5.0
MD100C12D1	D1	Dual	1200	100	2500	1.40	300	5.0
MD100K12D1	D1	Dual	1200	100	2500	1.40	300	5.0
MD100A16D1	D1	Dual	1600	100	2500	1.40	300	5.0
MD100C16D1	D1	Dual	1600	100	2500	1.40	300	5.0
MD100K16D1	D1	Dual	1600	100	2500	1.40	300	5.0
MD100A18D1	D1	Dual	1800	100	2500	1.40	300	5.0
MD120A08D1	D1	Dual	800	120	2800	1.35	300	6.0
MD120A12D1	D1	Dual	1200	120	2800	1.35	300	6.0
MD120A16D1	D1	Dual	1600	120	2800	1.35	300	6.0
MD120C16D1	D1	Dual	1600	120	2800	1.35	300	6.0
MD120K16D1	D1	Dual	1600	120	2800	1.35	300	6.0
MD120A18D1	D1	Dual	1800	120	2800	1.35	300	6.0
MD165A08D2	D2	Dual	800	165	6000	1.40	300	9.0
MD165A12D2	D2	Dual	1200	165	6000	1.40	300	9.0
MD165A16D2	D2	Dual	1600	165	6000	1.40	300	9.0
MD165C16D2	D2	Dual	1600	165	6000	1.40	300	9.0
MD165K16D2	D2	Dual	1600	165	6000	1.40	300	9.0
MD165A18D2	D2	Dual	1800	165	6000	1.40	300	9.0
MD200C08D2	D2	Dual	800	200	6800	1.30	300	9.0
MD200K12D2	D2	Dual	1200	200	6800	1.30	300	9.0
MD200A16D2	D2	Dual	1600	200	6800	1.30	300	9.0
MD200C16D2	D2	Dual	1600	200	6800	1.30	300	9.0
MD200K16D2	D2	Dual	1600	200	6800	1.30	300	9.0
MD240C08D2	D2	Dual	800	240	7550	1.25	300	9.0

Power Modules

Standard Recovery Power Modules

Part Number	Package	Number of Functions	Working Peak Reverse Voltage	Average Forward Current	Forward Peak Surge Current	Forward Voltage Per Element	At Rated Forward Current	Max.DC Reverse Current at Rated DC Blocking Voltage
			V _{RRM} (V)	I _O (A)	I _{FSM} (A)	V _F (V)	I _F (A)	I _R (mA)
MD240C12D2	D2	Dual	1200	240	7550	1.25	300	9.0
MD240C16D2	D2	Dual	1600	240	7550	1.25	300	9.0
MD240C18D2	D2	Dual	1800	240	7550	1.25	300	9.0
MD50H08FJ	FJ	Dual	800	50	650	1.40	100	1.0
MD50H12FJ	FJ	Dual	1200	50	650	1.40	100	1.0
MD50H16FJ	FJ	Dual	1600	50	650	1.40	100	1.0
MD100S08M2	M2	Dual	800	100	920	1.90	150	0.3
MD100S16M2	M2	Dual	1600	100	920	1.90	150	0.3
MD100S18M2	M2	Dual	1800	100	920	1.90	150	0.3
MD75S16M4	M4	Dual	1600	75	750	1.50	150	0.3
MD100S16M5	M5	Dual	1600	100	920	1.90	300	0.3
MD130S16M5	M5	Dual	1600	130	1200	1.80	300	0.3
MD160S16M5	M5	Dual	1600	160	1800	1.75	300	0.5
MD100S16M3	M3	3-Phase Bridge	1600	100	920	1.90	300	0.3
MD130S16M3	M3	3-Phase Bridge	1600	130	1200	1.80	300	0.3
MD160S16M3	M3	3-Phase Bridge	1600	160	1800	1.75	300	0.5
MD200S16M3	M3	3-Phase Bridge	1600	200	2240	1.70	300	0.5
MD250S16M3	M3	3-Phase Bridge	1600	250	2500	1.60	300	0.5
MD100S08M4	M4	3-Phase Bridge	800	100	920	1.90	300	0.3
MD100S12M4	M4	3-Phase Bridge	1200	100	920	1.90	300	0.3
MD100S16M4	M4	3-Phase Bridge	1600	100	920	1.90	300	0.3
MD100S18M4	M4	3-Phase Bridge	1800	100	920	1.90	300	0.3
MD200S08M5	M5	3-Phase Bridge	800	200	2240	1.70	300	0.5
MD200S12M5	M5	3-Phase Bridge	1200	200	2240	1.70	300	0.5
MD200S16M5	M5	3-Phase Bridge	1600	200	2240	1.70	300	0.5
MD200S18M5	M5	3-Phase Bridge	1800	200	2240	1.70	300	0.5
MD250S08M5	M5	3-Phase Bridge	800	250	2500	1.60	300	0.5
MD250S12M5	M5	3-Phase Bridge	1200	250	2500	1.60	300	0.5
MD250S16M5	M5	3-Phase Bridge	1600	250	2500	1.60	300	0.5
MD250S18M5	M5	3-Phase Bridge	1800	250	2500	1.60	300	0.5
MD200S16NM3	NM3	3-Phase Bridge	1600	200	2240	1.70	300	0.5

Power Modules

Thyristor Modules

Part Number	Package	Number of Functions	Working Peak Reverse Voltage	Output Current(D.C.)	Gate Trigger Voltage	Gate Trigger Current	Peak On-State Voltage
			V _{RRM} (V)	I _T (A)	V _{GT} (V)	I _{GT} (mA)	V _{TM} (V)
MT25C16T1	T1	Dual	1600	25	2.5	150	1.8
MT25CB16T1	T1	Dual	1600	25	2.5	150	1.8
MT40C16T1	T1	Dual	1600	40	2.5	150	1.95
MT40CB16T1	T1	Dual	1600	40	2.5	150	1.95
MT60C16T1	T1	Dual	1600	60	3	150	1.65
MT60CB16T1	T1	Dual	1600	60	3	150	1.65
MT90CB16T1	T1	Dual	1600	90	3	150	1.65
MT110C16T1	T1	Dual	1600	110	3	150	1.65
MT110CB16T1	T1	Dual	1600	110	3	150	1.65
MT110C18T1	T1	Dual	1800	110	3	150	1.65
MT130C16T2	T2	Dual	1600	130	3	150	1.8
MT160C08T2	T2	Dual	800	160	3	150	1.7
MT160C12T2	T2	Dual	1200	160	3	150	1.7
MT160C16T2	T2	Dual	1600	160	3	150	1.7
MT160C18T2	T2	Dual	1800	160	3	150	1.7
MT200C08T2	T2	Dual	800	200	3	200	1.7
MT200CB08T2	T2	Dual	800	200	3	200	1.7
MT200C12T2	T2	Dual	1200	200	3	200	1.7
MT200CB12T2	T2	Dual	1200	200	3	200	1.7
MT200C16T2	T2	Dual	1600	200	3	200	1.7
MT200CB16T2	T2	Dual	1600	200	3	200	1.7
MT200C18T2	T2	Dual	1800	200	3	200	1.7
MT200CB18T2	T2	Dual	1800	200	3	200	1.7
MT100DT08L1	L1	3-Phase Bridge	800	100	3	150	1.25
MT100DT12L1	L1	3-Phase Bridge	1200	100	3	150	1.25
MT100DT16L1	L1	3-Phase Bridge	1600	100	3	150	1.25
MT100DT18L1	L1	3-Phase Bridge	1800	100	3	150	1.25

Fast Recovery Diode Modules

Part Number	Package	Number of Functions	Working Peak Reverse Voltage	Average Forward Current	Forward Peak Surge Current	Forward Voltage Per Element	At Rated Forward Current	Reverse Recovery Time
			V_{RRM} (V)	I_O (A)	I_{FSM} (A)	V_F (V)	I_F (A)	T_{RR} (ns)
MF100U12F2	F2	Single	1200	100	1100	1.58	100	55
MF300U06F2	F2	Single	600	300	3000	1.65	300	55
MF300U06F6	F6	Single	600	300	3500	1.15	300	145
MF500U12F2	F2	Single	1200	500	5000	2	500	200
MF120DU06FJ	FJ	Dual	600	120	550	1.9	60	50
MF150C06F2	F2	Dual	600	150	1400	1.6	150	130
MF200K04F3	F3	Dual	400	200	1500	1.35	100	95
MF200K04F4N	F4N	Dual	400	200	1500	100	1.35	95
MF200K06F2	F2	Dual	600	200	2000	1.6	200	140
MF200K06F3	F3	Dual	600	200	2100	1.15	100	105
MF200K06F4N	F4N	Dual	600	200	2100	100	1.15	105
MF200DU06FJ	FJ	Dual	600	200	1300	1.3	100	105
MF200C12F2	F2	Dual	1200	200	1800	2.5	200	110
MF200DU12FJ	FJ	Dual	1200	200	1450	1.6	100	135
MF300K04F3	F3	Dual	400	300	2700	1.05	150	90
MF300K06F3	F3	Dual	600	300	3500	1.4	150	130
MF300C12F2	F2	Dual	1200	300	2700	3	300	135
MF400K04F3	F3	Dual	400	400	4000	1.35	200	135
MF400K06F3	F3	Dual	600	400	3500	1.25	200	130