

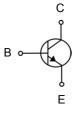
Features

- Collector Current: I_C= 2A
- Power Dissipation of 500mw

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)	
2SB1132	SOT-89	DKx	1000	





x:From P/Q/R

Maxmim Ratings (Ta=25 unless otherwise noted)

Symbl	Parameter	Value	Unit
Vсво	Collector-Base Voltage	6	V
Vceo	Collector-Emitter Voltage	50	V
Vebo	Emitter-Base Voltage	6	V
lc	Collector Current-Continuous	2	А
I _{CP}	Collector Current -Pulsed	4	А
Pc	Collector Power Dissipation	500	mW
Tj	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55-150	°C

Electrcal Charcteristics (Ta=25 unless otherwise specified)

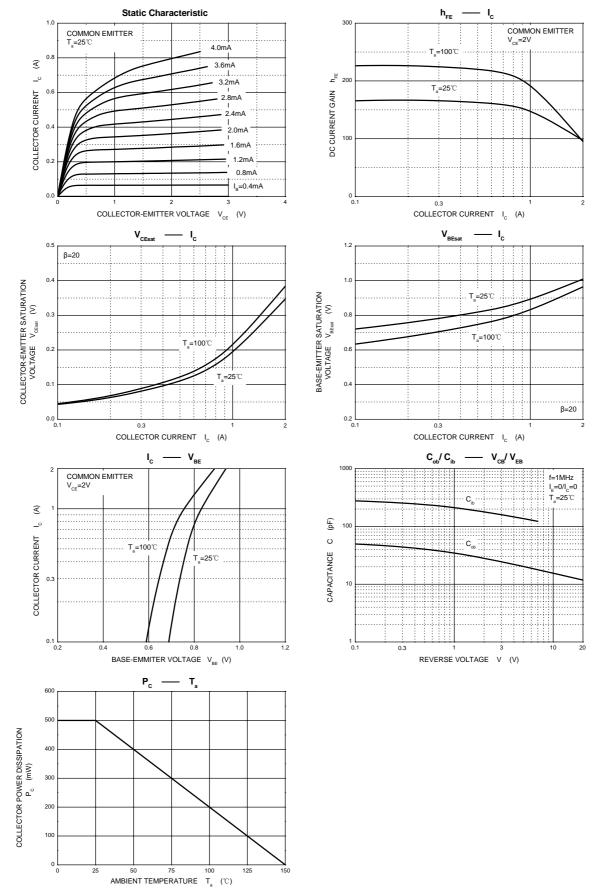
Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =50µA,I _E =0	60			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =1mA,I _B =0	50			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =50µA,I _C =0	6			V
Collector cut-off current	I _{CBO}	V _{CB} =60V,I _E =0			0.1	μA
Emitter cut-off current	I _{EBO}	V _{EB} =5V,I _C =0			0.1	μA
DC current gain	h _{FE}	$V_{CE}=2V$, $I_{C}=500mA$	82		390	
Collector-emitter saturation voltage	V _{CE(sat)}	$I_{C}=1A, I_{B}=50mA$			0.35	V
Transition frequency	f⊤	Vce=2V,Ic=0.5A, f=100MHz		210		MHz
Collector output capacitance	C _{ob}	V_{CB} =10V, I _E =0, f=1MHz		25		pF

Classifiction Of h_{FE}

Rank	Р	Q	R	
Range	82-180	120-270	180-390	

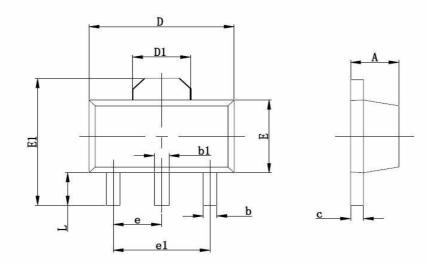


Typical Characteristics





SOT-89 Package Outline Dimensions



Symbol	Dimensions	In Millimeters	Dimensions In Inches		
Symbol	Min	Max	Min	Max	
A	1.400	1.600	0.055	0.063	
b	0.320	0.520	0.013	0.020	
b1	0.400	0.580	0.016	0.023	
С	0.350	0.440	0.014	0.017	
D	4.400	4.600	0.173	0.181	
D1	1.550 REF.		0.061 REF.		
E	2.300	2.600	0.091	0.102	
E1	3.940	4.250	0.155	0.167	
е	1.500 TYP.		0.060 TYP.		
e1	3.000 TYP.		0.118 TYP.		
L	0.900	1.200	0.035	0.047	



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