

SCHOTTKY BARRIER DIODE

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

FEATURES

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

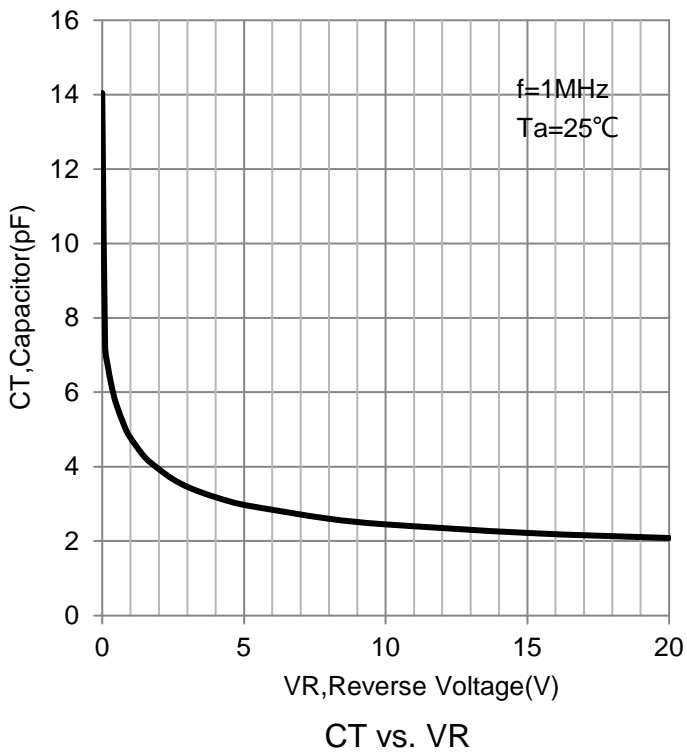
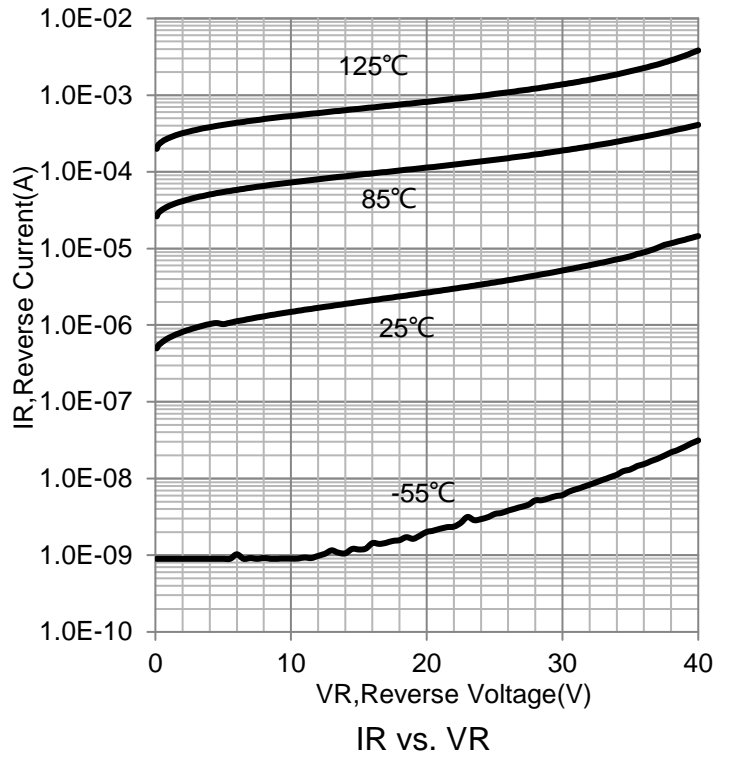
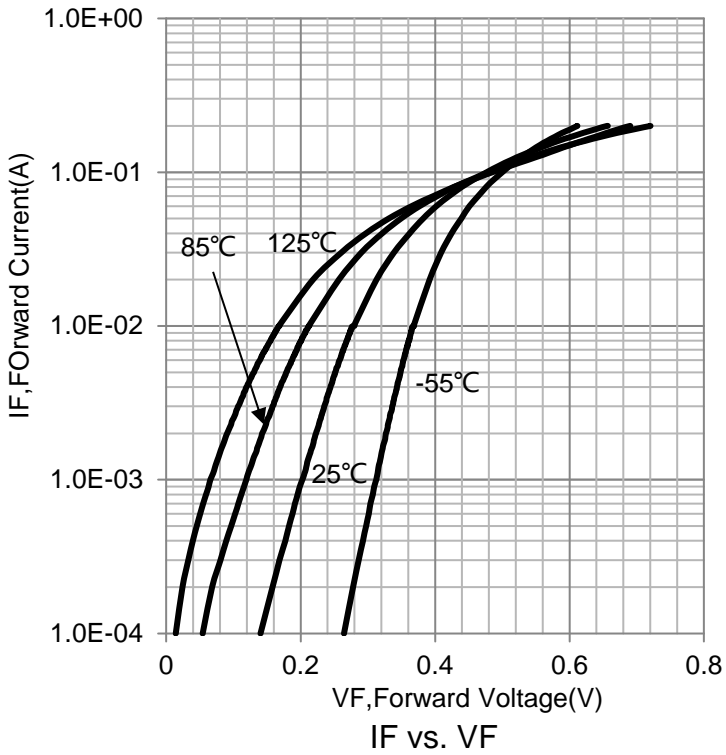

■ Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25 °C

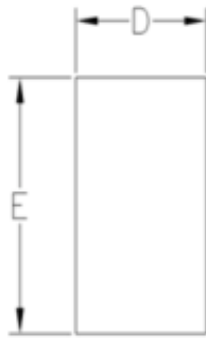
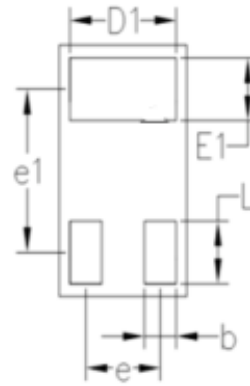
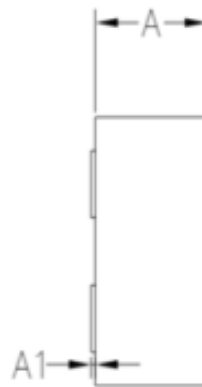
Parameter	Symbol	Limit	Unit
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	100	mA
Non-repetitive Peak forward surge current @ t=8.3ms	I_{FSM}	500	mA
Power dissipation	P_D	100	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	1000	°C/W
Operating Junction Temperature Range	T_j	-40 ~ +125	°C
Storage Temperature Range	T_{stg}	-55 ~ +150	°C

■ Electrical Ratings @Ta=25 °C

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R=10\mu A$	30			V
Reverse current	I_R	$V_R=10V$			2	μA
Forward voltage	V_F	$I_F=10mA$			0.40	V
		$I_F=100mA$			0.60	V

Typical Characteristics



DFN0603-2L Package Outline Dimensions

TOP VIEW

BOTTOM VIEW

SIDE VIEW

SYMBOL	DIMENSIONS IN MM		
	MIN	NOM	MAX
A	0.45	0.50	0.55
A1	0.00	—	0.05
D	0.55	0.60	0.65
E	0.95	1.00	1.05
D1	0.45	0.50	0.55
E1	0.20	0.25	0.30
L	0.20	0.25	0.30
b	0.10	0.15	0.20
e	0.35BSC		
e1	0.65BSC		