

# SCHOTTKY BARRIER DIODE

**PINNING**

PIN	DESCRIPTION
1	Cathode
2	Anode

**FEATURES**

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

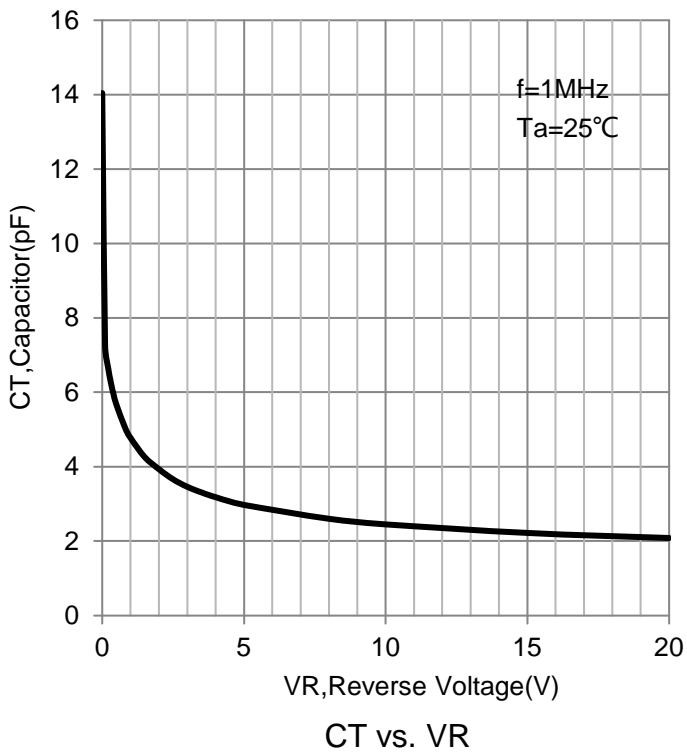
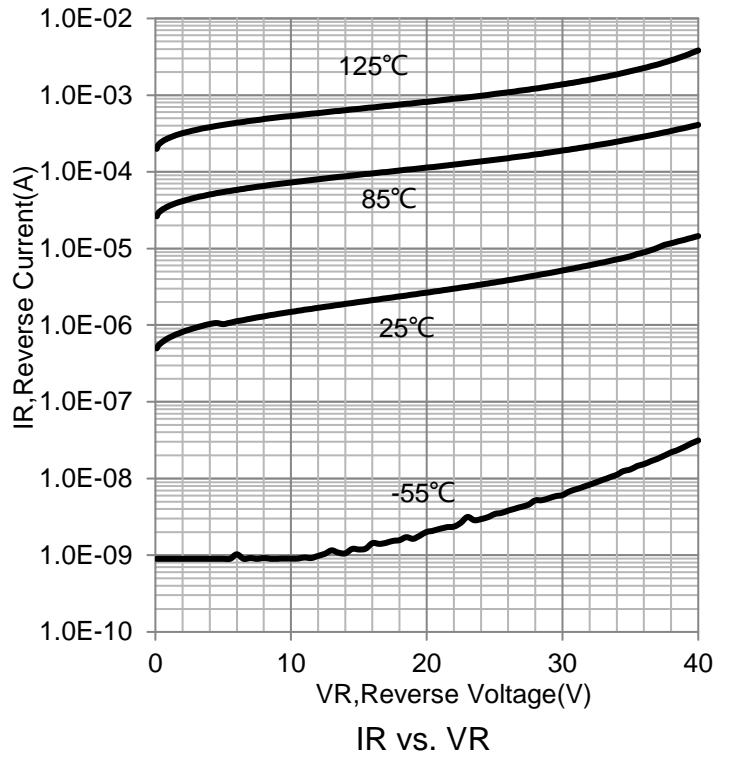
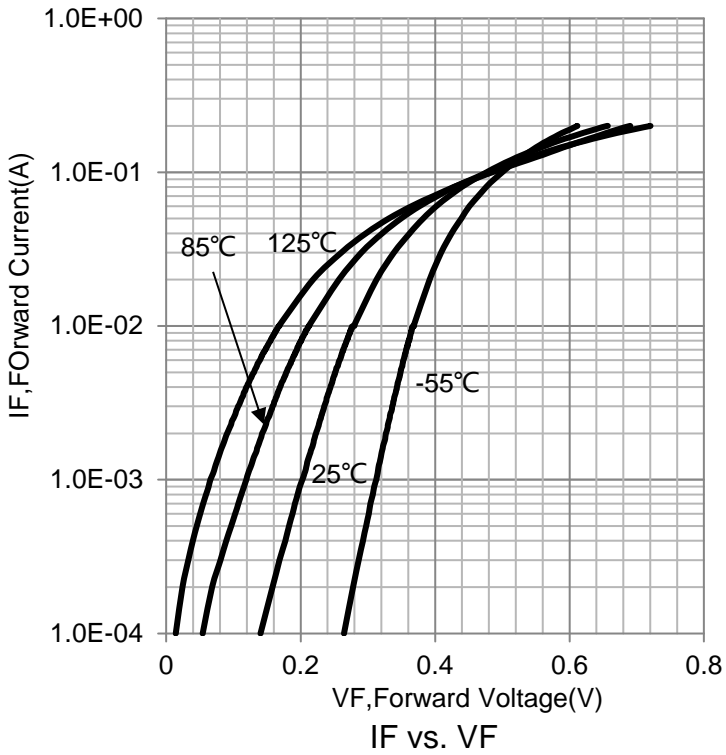

**■ Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C**

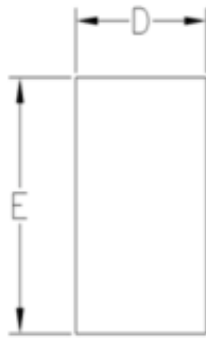
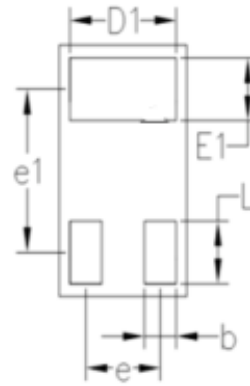
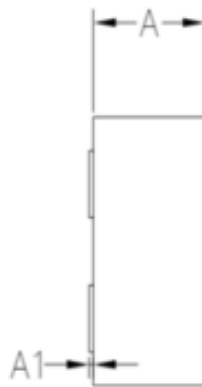
Parameter	Symbol	Limit	Unit
DC reverse voltage	$V_R$	30	V
Mean rectifying current	$I_O$	100	mA
Non-repetitive Peak forward surge current @ t=8.3ms	$I_{FSM}$	500	mA
Power dissipation	$P_D$	100	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	1000	°C/W
Operating Junction Temperature Range	$T_j$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

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