

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage Peak Reverse Voltage	V_{RRM} V_{RWM} V_{RM}	60	V
RMS Reverse voltage	$V_{R(RMS)}$	42	V
Average Rectified Output Current	I_O	5	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	120	A
Junction Temperature Range	$T_{J\ MAX}$	125	°C
Storage Temperature Range	T_{stg}	-55 125	°C
Typical Thermal Resistance	$R_{\theta JA}$ Note 1	85	°C/W

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	V_{BR}	$I_R=1mA$	60			V
Forward voltage	V_F	$I_F=2A$ $T_J=25^{\circ}C$		0.39	0.45	V
		$I_F=2A$ $T_J=125^{\circ}C$		0.30		V
		$I_F=5A$ $T_J=25^{\circ}C$		0.47	0.55	V
		$I_F=5A$ $T_J=125^{\circ}C$		0.43		V
Instantaneous Reverse Current	I_R Note 1	$V_R=60V$ $T_J=25^{\circ}C$		100	500	uA
		$V_R=60V$ $T_J=100^{\circ}C$		10		mA
		$V_R=60V$ $T_J=125^{\circ}C$		40		mA

/Notes

1. FR-4 PCB 2

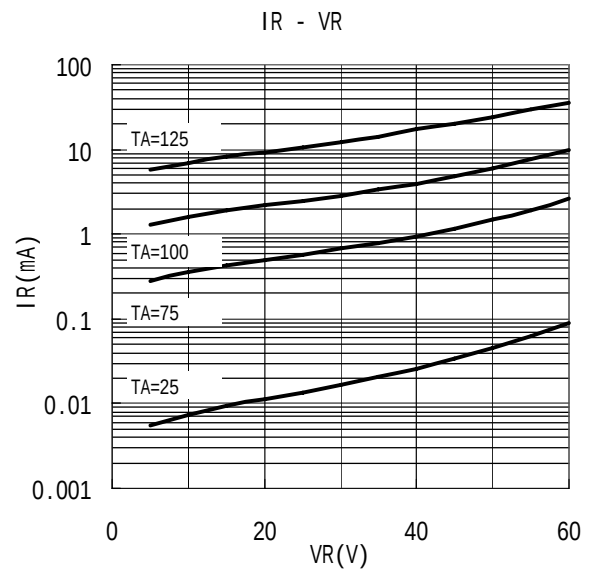
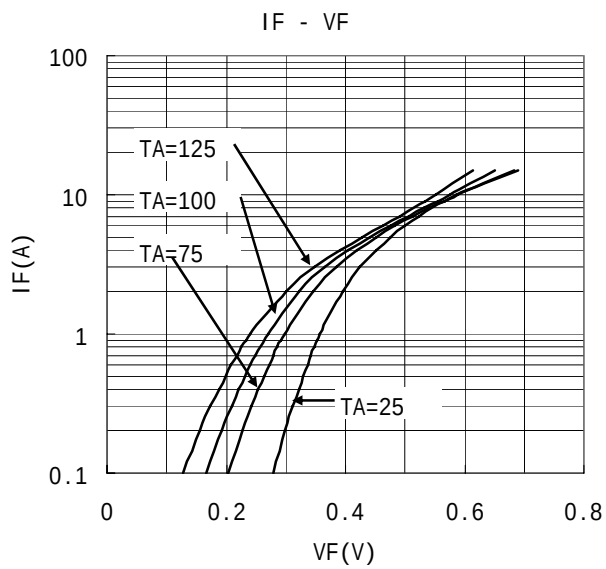
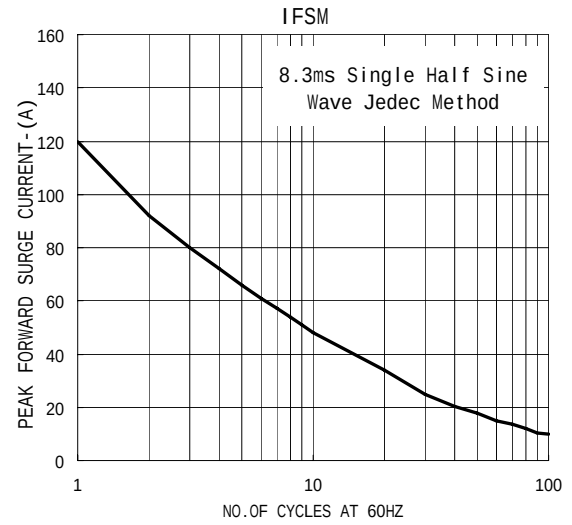
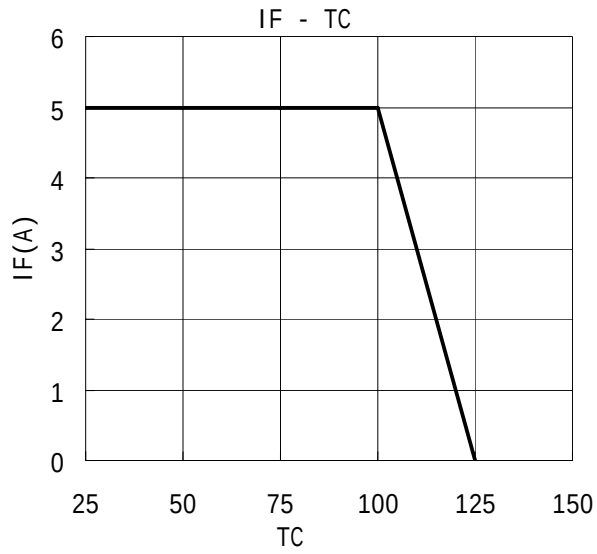
/FR-4 PCB, 2oz. Copper, minimum recommended pad

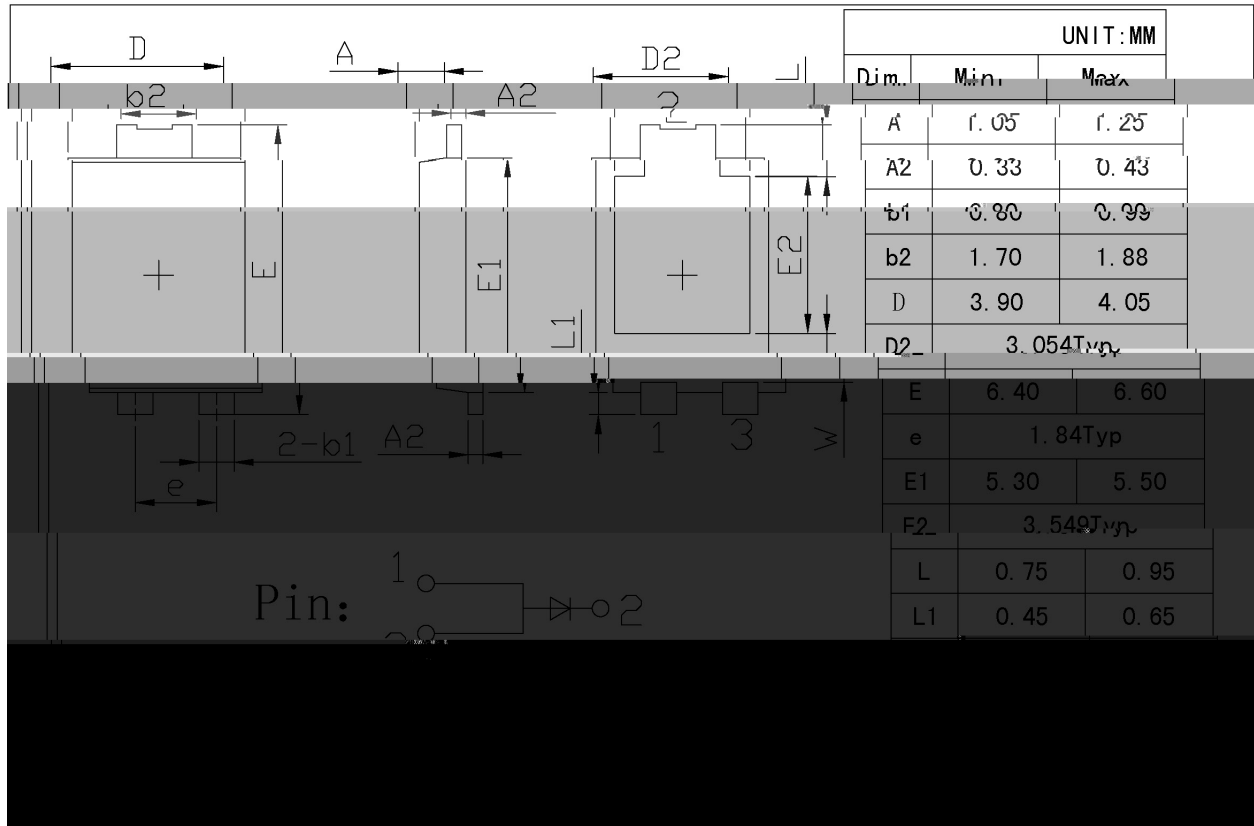
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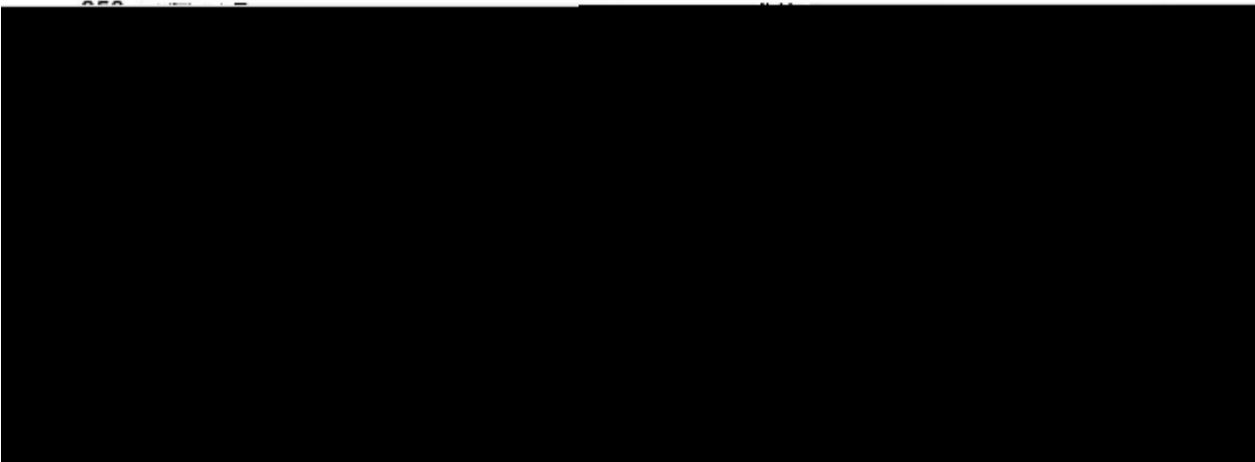
2.

/Short duration pulse test used to minimize self-heating

effect.







Note:

- 1

150 180

60 90sec;

1.Preheating:150~180 , Time:60~90sec.
- 2

245±5

5±0.5sec;

2.Peak Temp.:245±5 , Duration:5±0.5sec.
- 3

2 10

/sec.

3. Cooling Speed: 2~10 /sec.

260±5

10±1 sec.

Temp.:260±5℃

Time:10±1 sec

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
TO-277	5,000	3	15,000	6	90,000	13 ×12	360×360×50	380×335×366