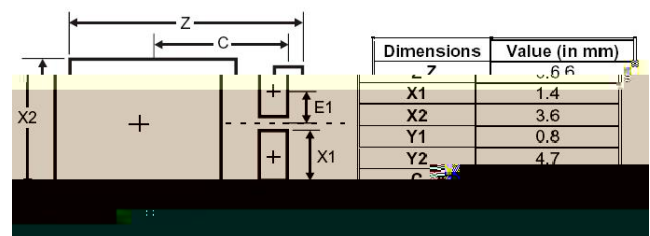
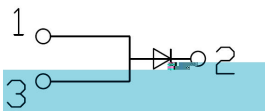


Schottky Barrier Diode in a TO-277 Plastic Package.

Low forward voltage drop, low power losses, High efficiency operation. HF Product.

For use in high frequency inverters, switching power supplies, freewheeling diodes, OR-ing diode, dc-to-dc converters and reverse battery protection.



PIN1 Anode PIN 2 Cathode PIN 3 Anode

Suggested Pad layout

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RM} V_{RSM} V_{DC}	100	V
RMS Voltage	V_{RMS}	70	V
Average Rectified Forward Current	$I_{F(AV)}$	1×5	A
Non Repetitive Peak Surge Current	I_{FSM}	150	A
Thermal Resistance Junction to Air (Note 1)	R_{JA}	110	°C/W
Junction and Storage Temperature Range	T_J T_{stg}	-65~150	°C

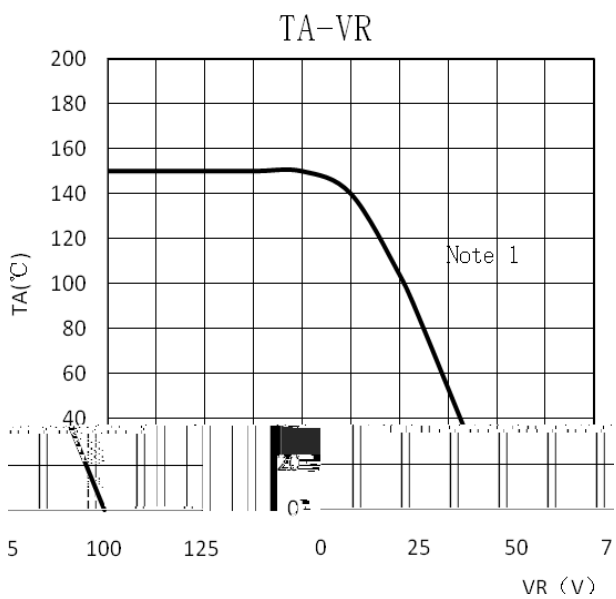
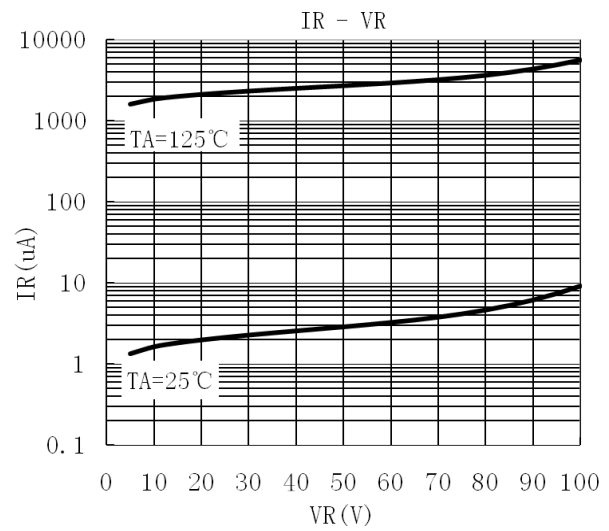
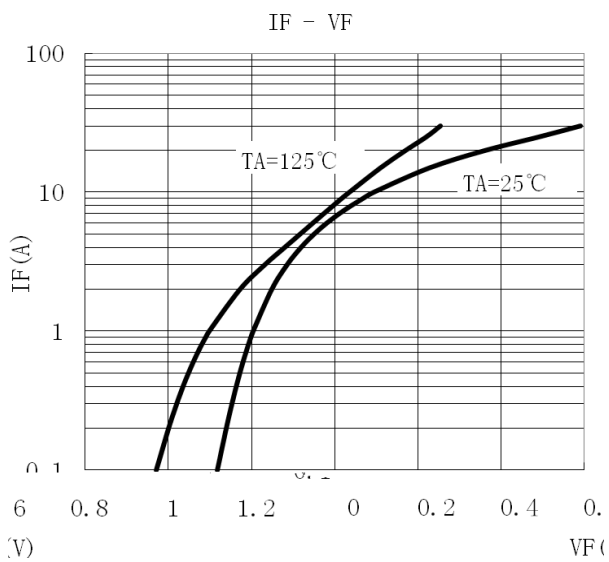
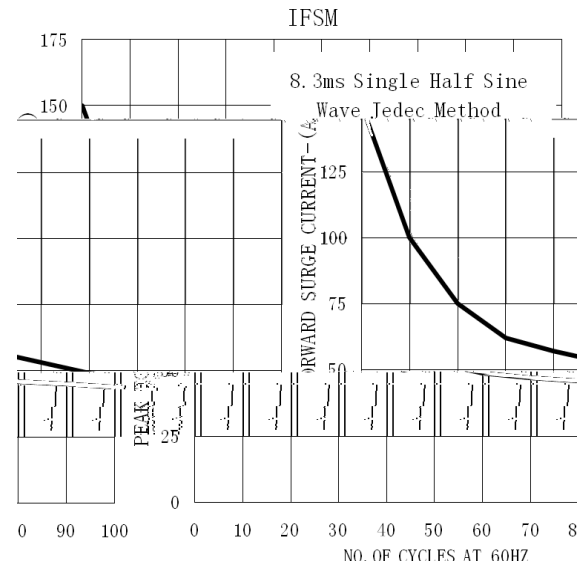
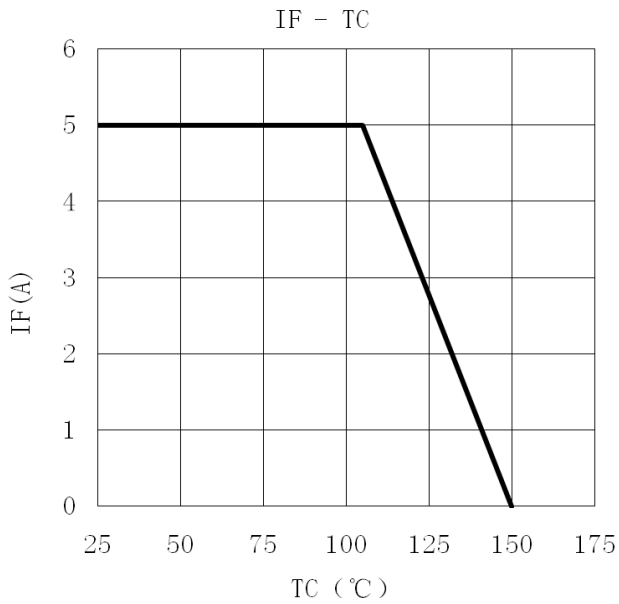
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Breakdown Voltage	V_{BR}	$I_R=1mA(T_a=25^{\circ}C)$	100			V
Forward Voltage	V_F	$I_F=1A(T_a=25^{\circ}C)$		0.41	0.55	V
		$I_F=1A(T_a=125^{\circ}C)$		0.30	0.50	V
		$I_F=5A(T_a=25^{\circ}C)$		0.55	0.70	V
		$I_F=5A(T_a=125^{\circ}C)$		0.52	0.65	V
Instantaneous Reverse Current	I_R (Note 2)	$V_R=100V(T_a=25^{\circ}C)$		10	150	A
		$V_R=100V(T_a=125^{\circ}C)$			50	mA

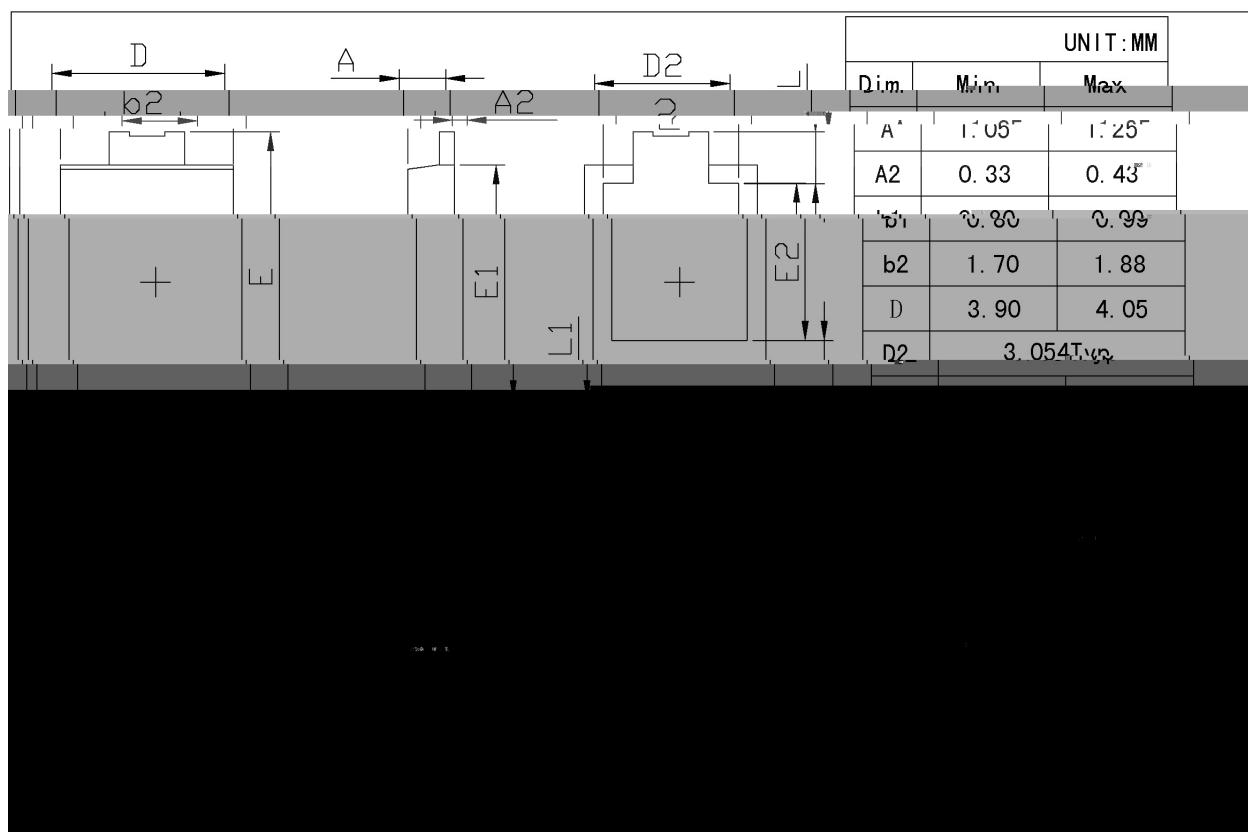
Notes:

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

Short duration pulse test used to minimize self-heating effect.

Unless otherwise noted, values for the parameters of a single chip







Note:

Product Type.

****:

Lot No. Code, code change with Lot No.



Note:

- 1

25 150

60 90sec;

1.Preheating:25~150 , 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