

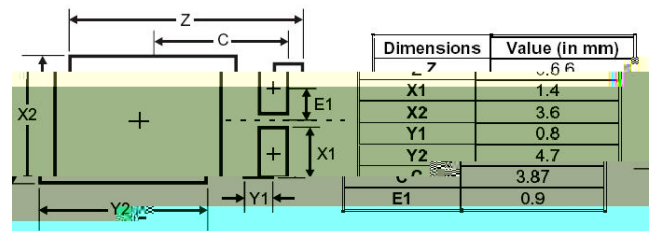
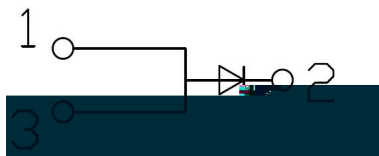
TO-277

TO-277 Plastic package Schottky diode .

$$V_F(\text{typ})=0.16\text{V}$$

High Forward Surge Capability, Ultra Low Forward Voltage Drop $V_F(\text{typ})=0.16\text{V}$, Excellent High Temperature Stability. HF Product.

For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications.



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 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	20	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	300	A
Repetitive peak avalanche power	P_{ARM}	30000	W
Junction Temperature Range	$T_{J\ MAX}$	150	
Storage Temperature Range	T_{stg}	-55 150	
Typical Thermal Resistance	$R_{\theta JA}$ Note 1	73	/W

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	V_R	$I_R=1mA$	60			V
Forward voltage	V_F	$I_F=2A$ $T_J=25$		0.28	0.35	V
		$I_F=2A$ $T_J=125$		0.16		V
		$I_F=20A$ $T_J=25$		0.44	0.50	V
		$I_F=20A$ $T_J=125$		0.40		V
Instantaneous Reverse Current	I_R Note 2	$V_R=60V$ $T_J=25$		300	500	μA
		$V_R=60V$ $T_J=100$		30	100	mA

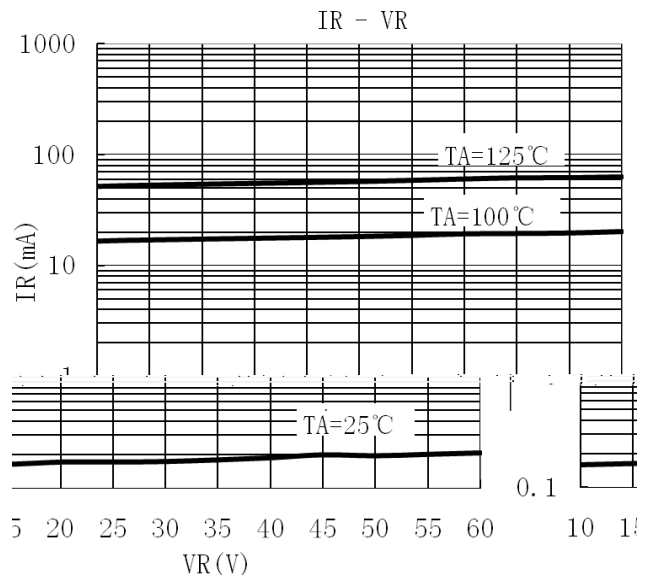
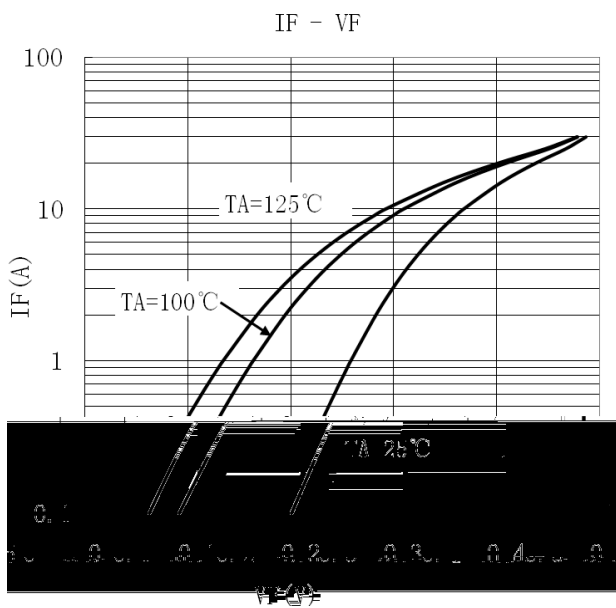
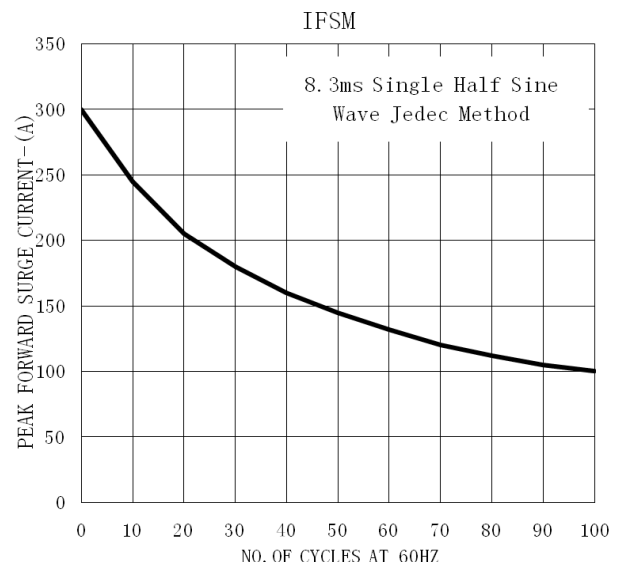
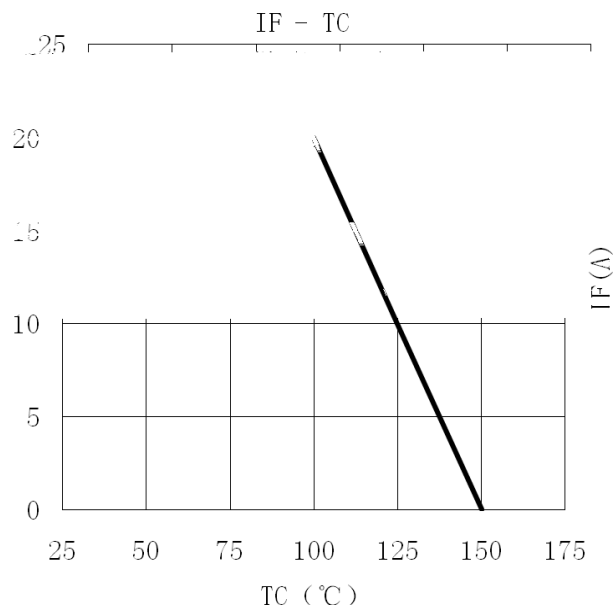
/Notes

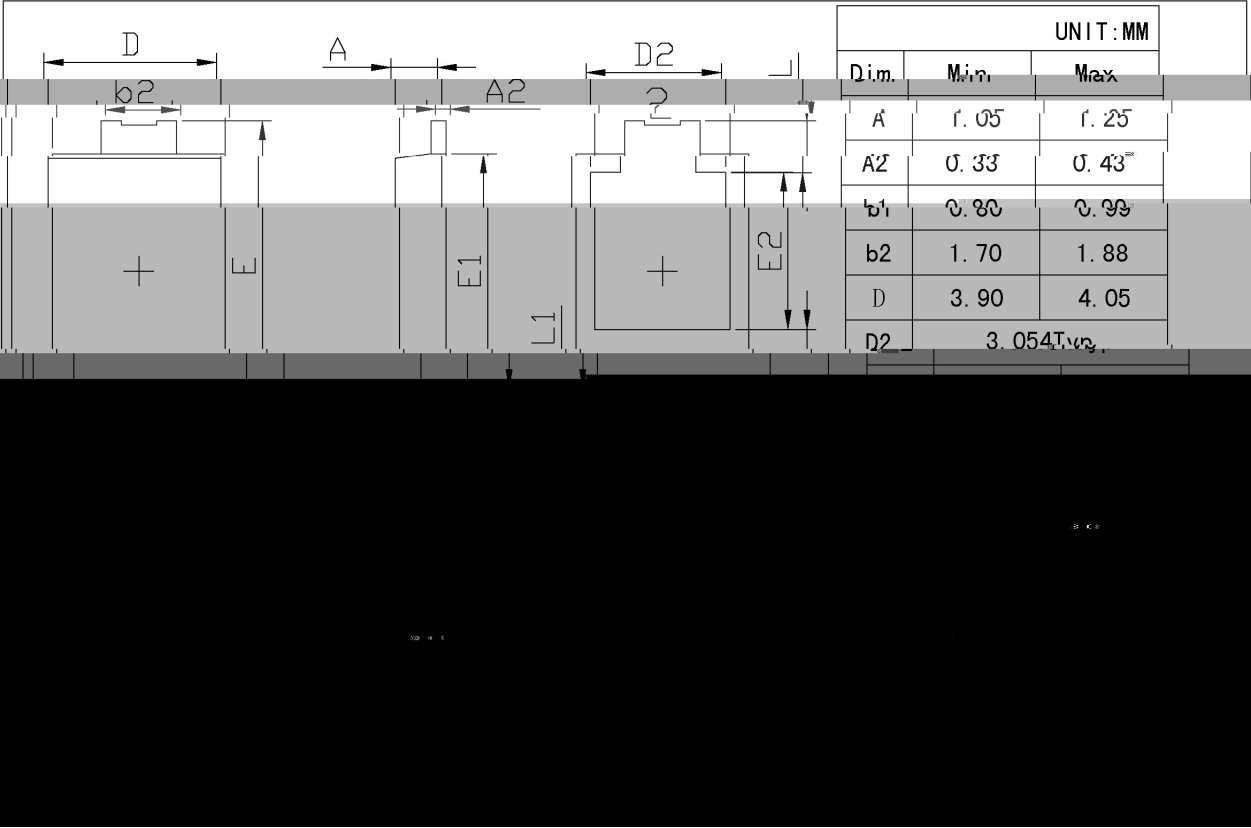
 1. FR-4 PCB 2
 layout per.

 2.
 effect.

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

/Short duration pulse test used to minimize self-heating







20T60

Note:

20T60

Product Type.

****:

Lot No. Code, code change with Lot No.

