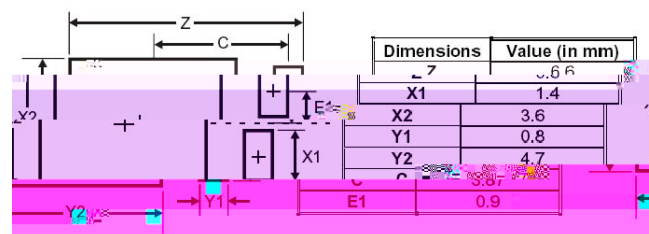
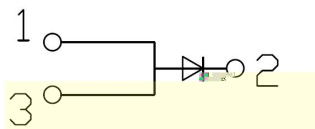


TO-277

TO-277 Plastic package Schottky diode .

High Forward Surge Capability, Ultra Low Forward Voltage Drop, 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}	200	V
RMS Reverse voltage	$V_{R(RMS)}$	180	V
Average Rectified Output Current	I_O	4	A
Non Repetitive Current	I_{FM}	8	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	100	A
Junction Temperature Range	$T_{J\ MAX}$	150	°C
Storage Temperature Range	T_{stg}	-55 150	°C
Typical Thermal Resistance	R_{JA} Note 1	80	°C/W

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	V_R	$I_R=0.3mA$	200			V
Forward voltage	V_F	$I_F=3A$ $T_J=25^{\circ}C$ $/T_J=125^{\circ}C$		780/625	820	mV
		$I_F=4A$ $T_J=25^{\circ}C$ $/T_J=125^{\circ}C$		795/649	840	mV
		$I_F=8A$ $T_J=25^{\circ}C$ $/T_J=125^{\circ}C$		851/715	890	mV
		$I_F=10A$ $T_J=25^{\circ}C$ $/T_J=125^{\circ}C$		876/741		mV
Instantaneous Reverse Current	I_R Note 2	$V_R=200V$ $T_J=25^{\circ}C$		0.01	1	uA
		$V_R=200V$ $T_J=125^{\circ}C$		0.02	2	mA
		$V_R=200V$ $T_J=150^{\circ}C$		0.1	10	mA

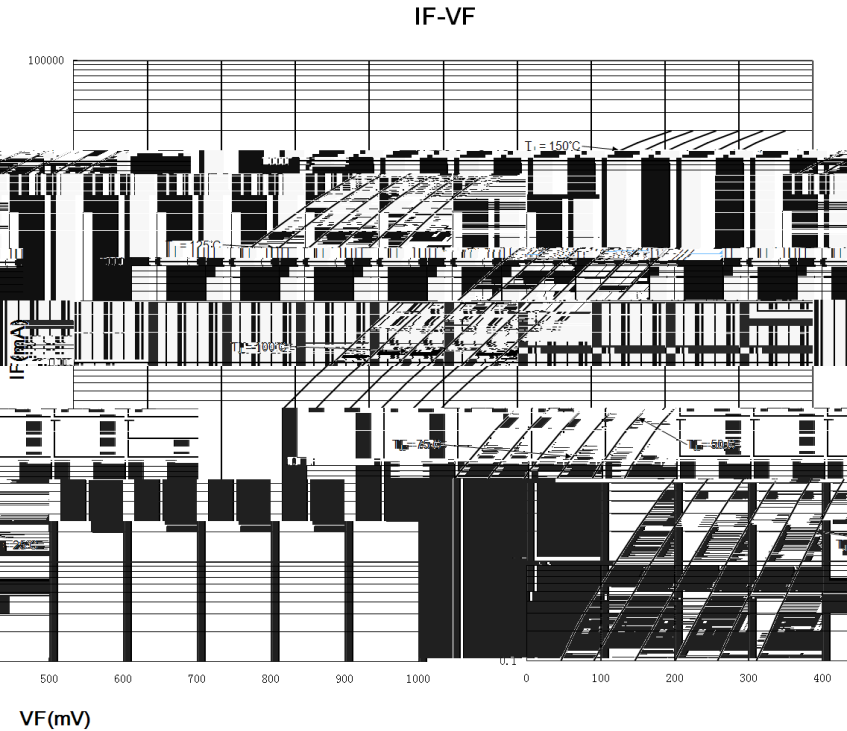
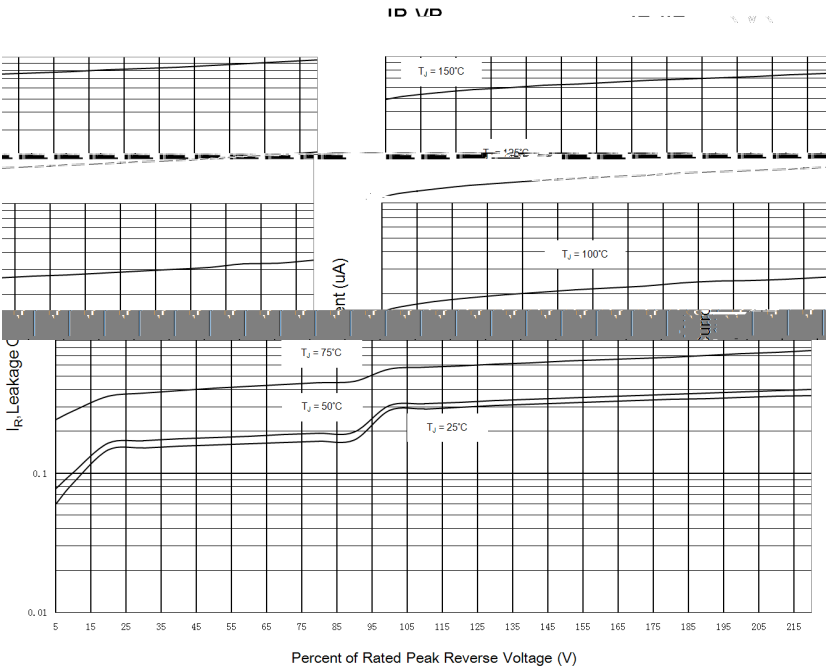
/Notes

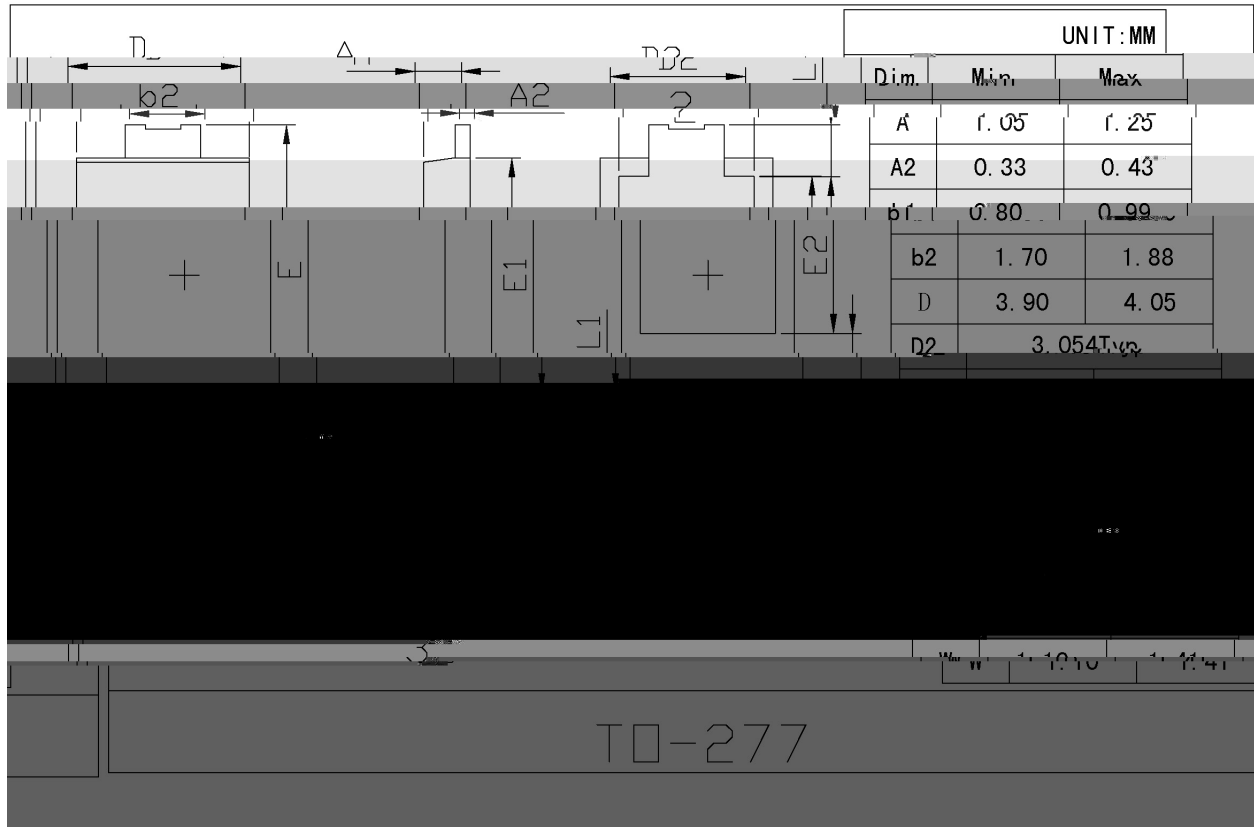
1. FR-4 PCB 2
layout per.

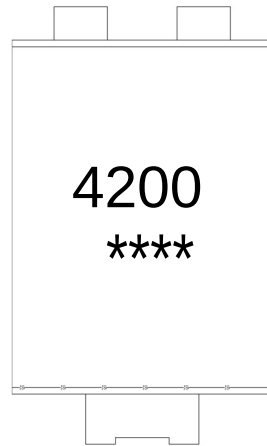
/FR-4 PCB, 2oz. Copper, minimum recommended pad

2.
effect.

/Short duration pulse test used to minimize self-heating







4200

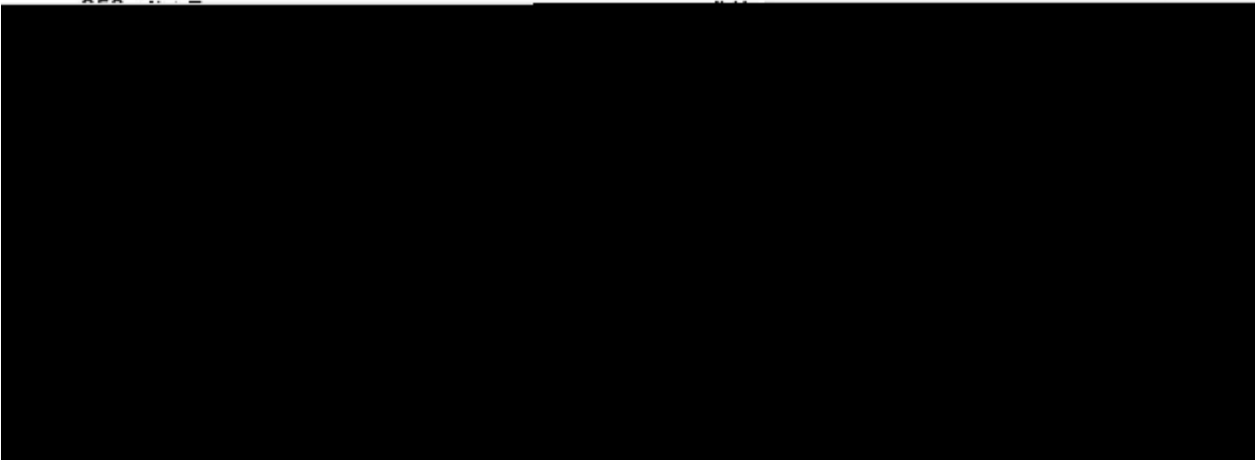
Note:

4200

Product Type.

****:

Lot No. Code, code change with Lot No.



- 1

150 180

60 90sec;

2

245±5

5±0.5sec;

3

2 10

/sec.
- Note:

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

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

3. Cooling Speed: 2~10 /sec.

260±5

10±1 sec.

Temp.:260±5℃

Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
TO-277	5,000	3	15,000	6				