

**/ Descriptions**

TO-277  
TO-277 Plastic package Schottky diode .

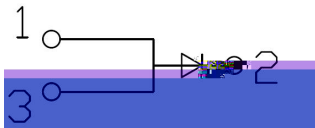
**/ Features**

High Forward Surge Capability, Ultra Low Forward Voltage Drop, Excellent High Temperature Stability.  
HF Product.

**/ Applications**

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

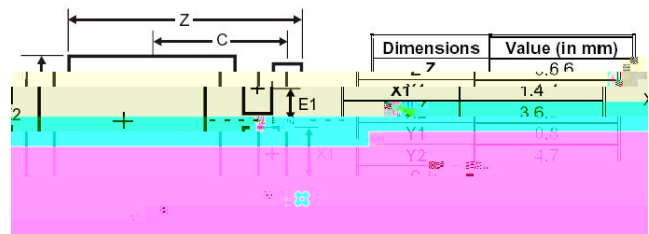
**/ Equivalent Circuit**



**/ Pinning**



PIN1 Anode PIN 2 Cathode PIN 3 Anode



Suggested Pad layout

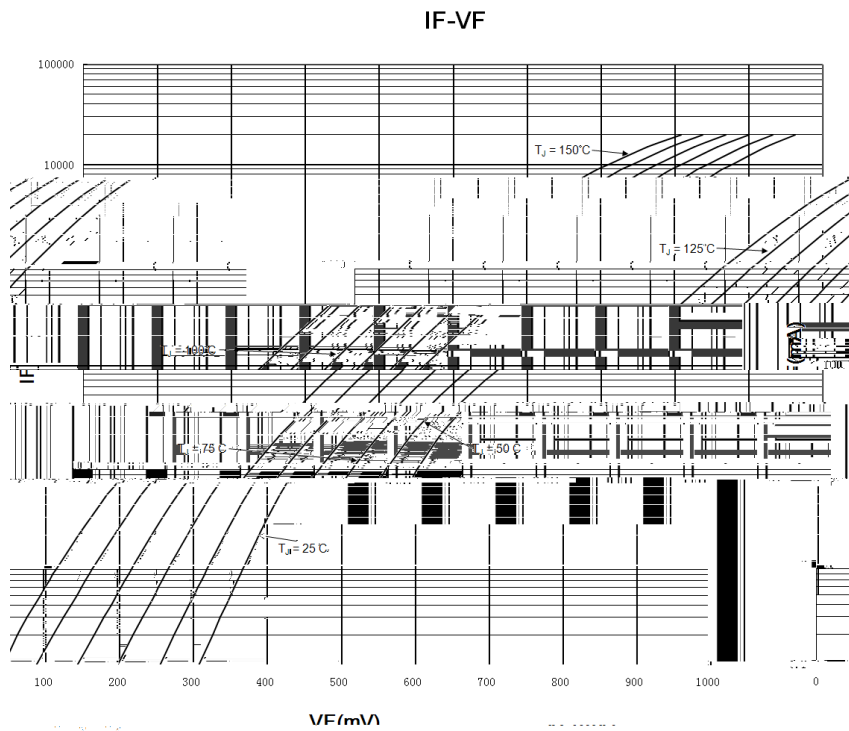
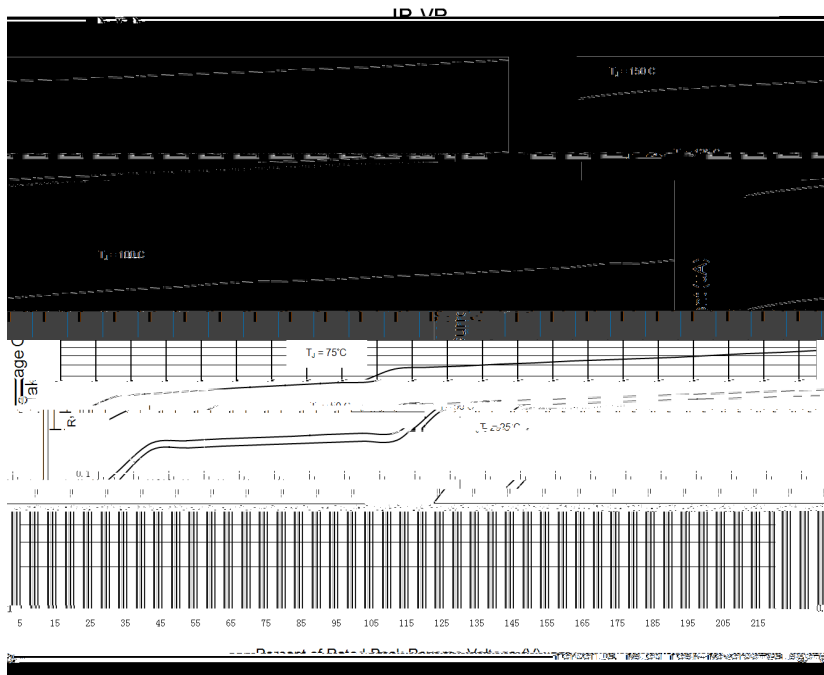
**/ h<sub>FE</sub> Classifications & Marking**

See Marking Instructions.

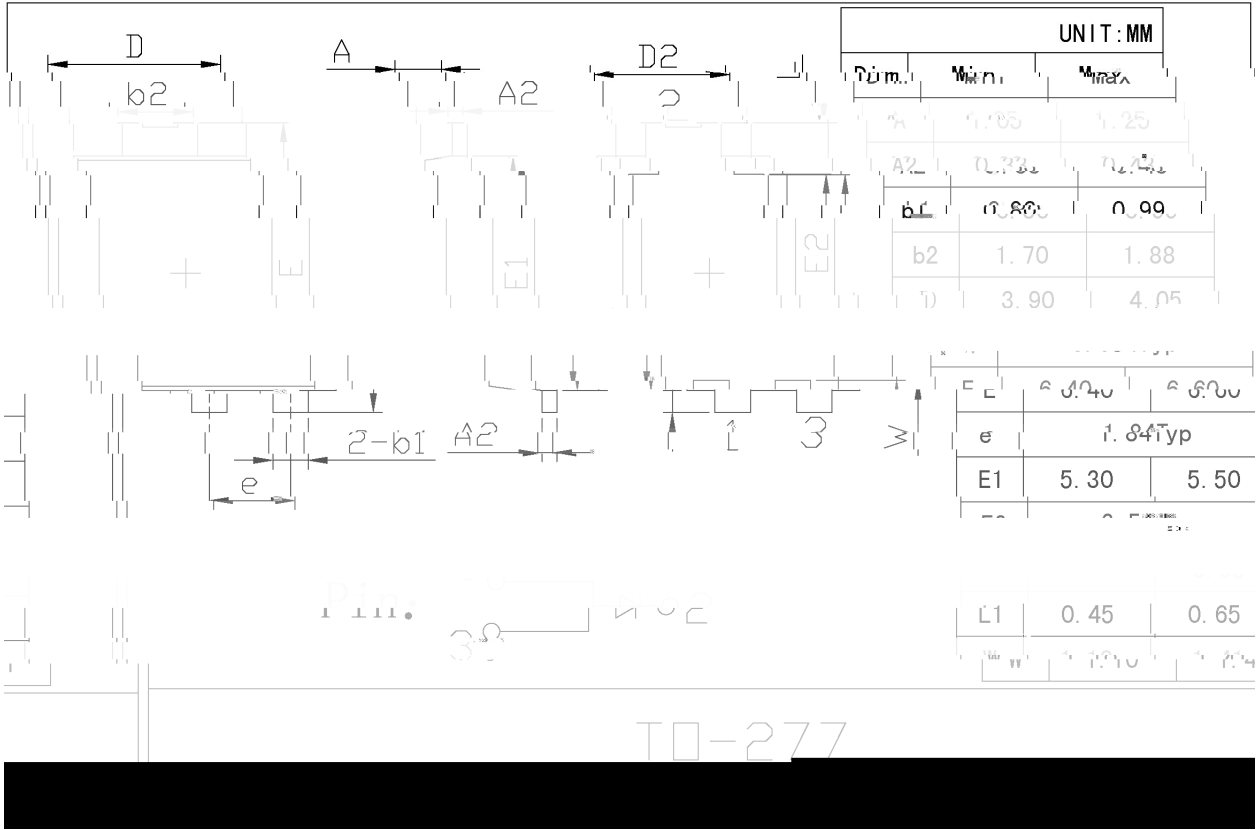
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage Peak Reverse Voltage	$V_{RRM}$ $V_{RWM}$ $V_{RM}$	200	V
RMS Reverse voltage	$V_{R(RMS)}$	180	V
Average Rectified Output Current	$I_O$	4	A
Non Repetitive Current	$I_{FM}$	8	A
Non-Repetitive Peak Forward Surge Current	$I_{FSM}$	100	A
Junction Temperature Range	$T_{j MAX}$	150	
Storage Temperature Range	$T_{stg}$	-55 150	
Typical Thermal Resistance	$R_{JA}$ Note 1	80	/W

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	$V_R$	$I_R=0.3mA$	200			V
Forward voltage	$V_F$	$I_F=3A$ $T_J=25$ $/T_J=125$		780/625	820	mV
		$I_F=4A$ $T_J=25$ $/T_J=125$		795/649	840	mV
		$I_F=8A$ $T_J=25$ $/T_J=125$		851/715	890	mV

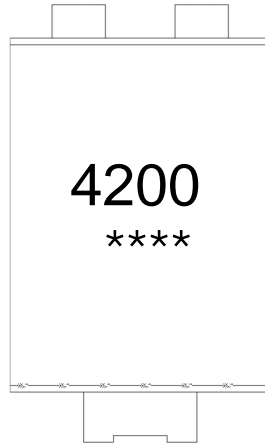
/ Electrical Characteristic Curve



**/ Package Dimensions**



/ Marking Instructions



4200

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Note:

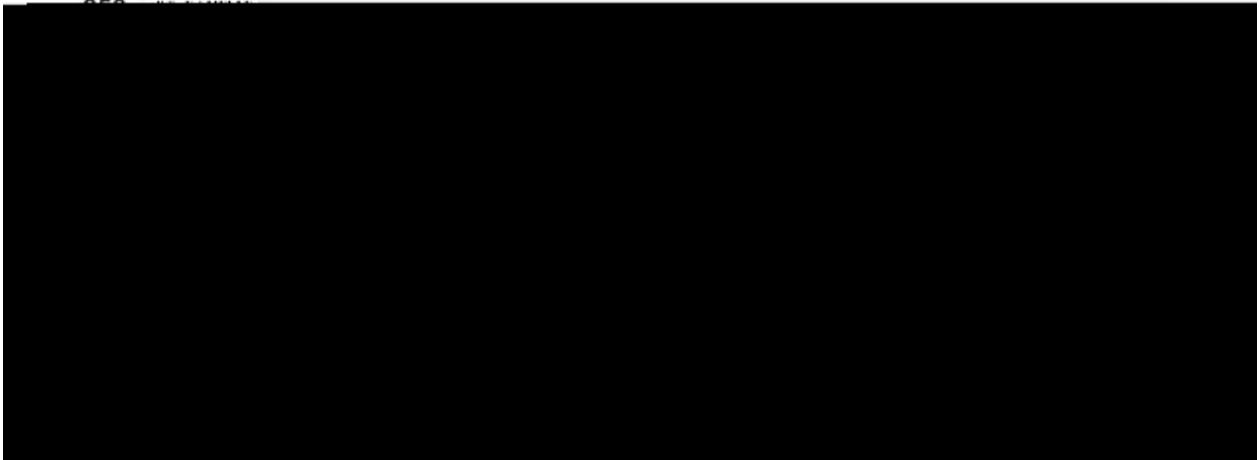
4200

Product Type.

\*\*\*\*:

Lot No. Code, code change with Lot No.

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- 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 Sp.7(T)10TD0 Tc0 T0.0043 0 TD1 T6286 0 TD-0