

描述 / Descriptions

TO-277

TO-277 Plastic package Schottky diode .

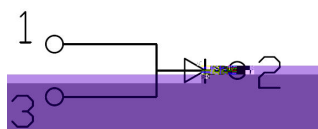
特点 / Features

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

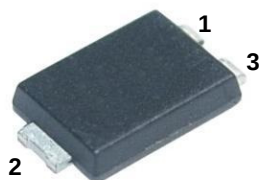
应用 / Applications

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

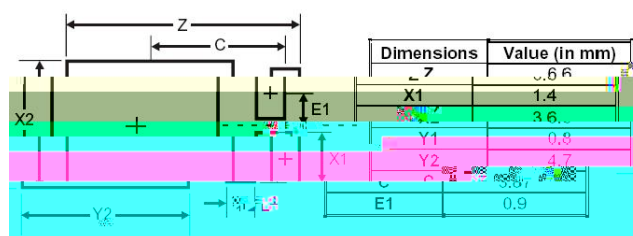
等效电路 / Equivalent Circuit



引脚 / Pinning



PIN1 Anode PIN 2 Cathode PIN 3 Anode



Suggested Pad layout

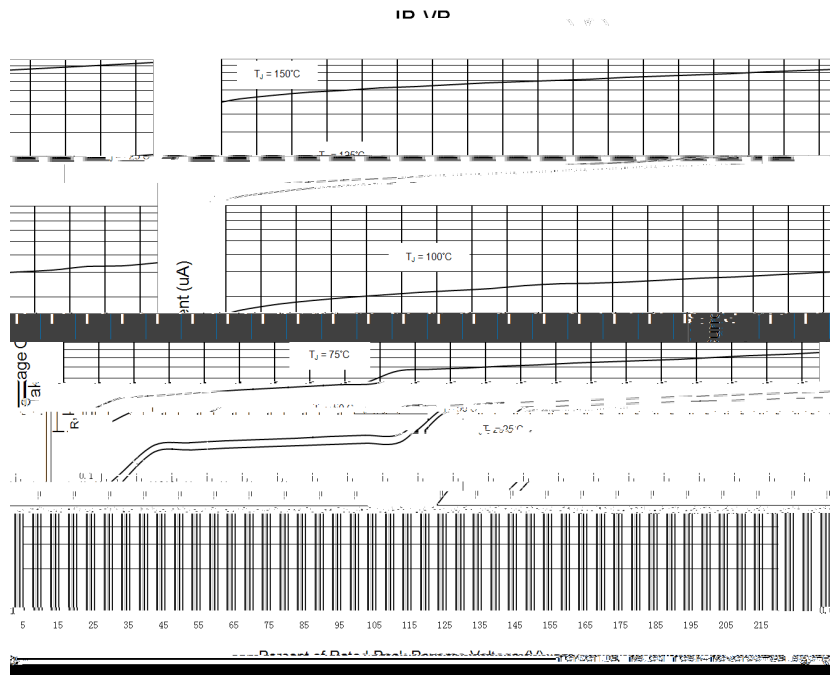
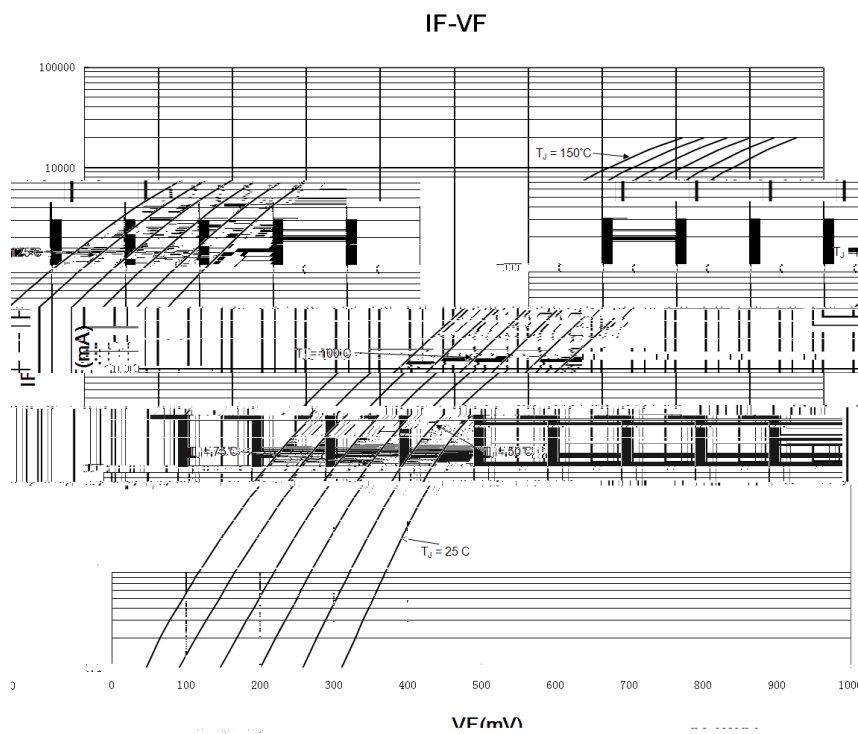
分类及标记 / h_{FE} Classifications & Marking

See Marking Instructions.

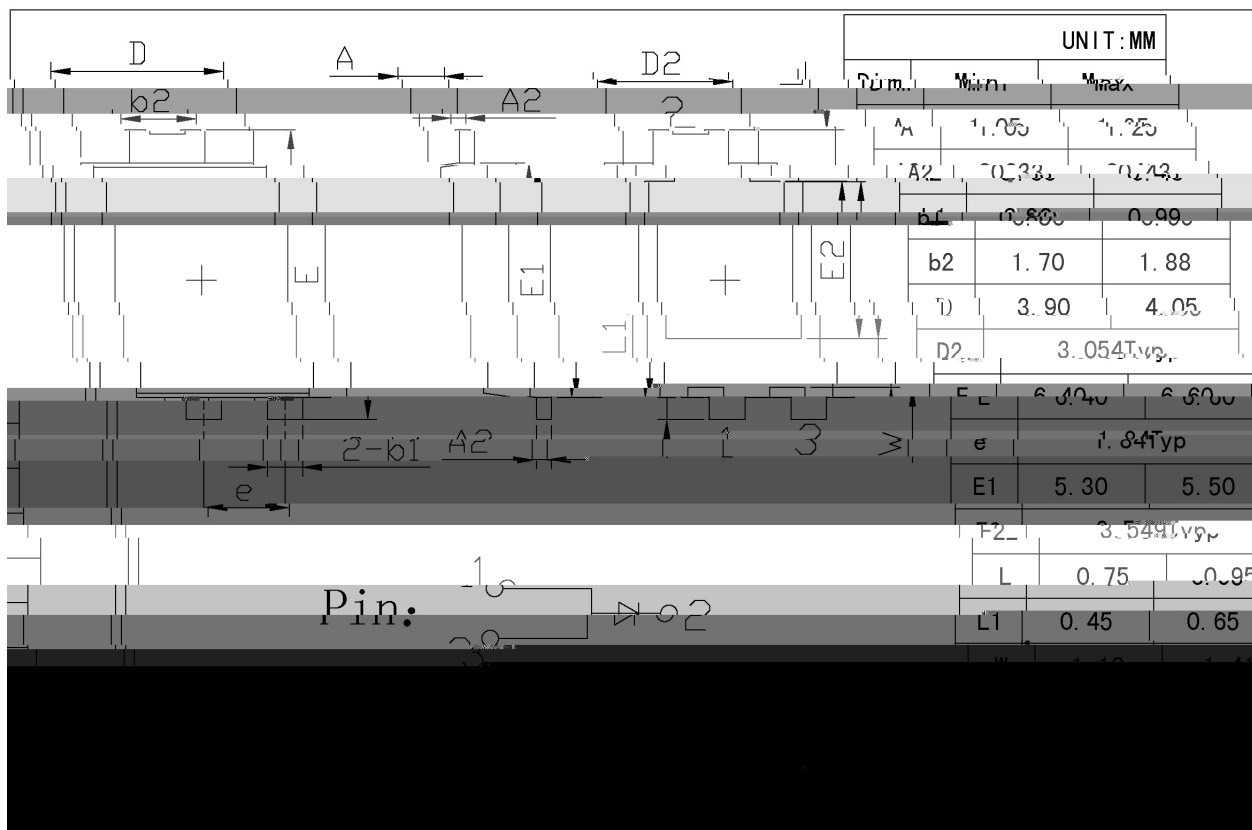
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage Peak Reverse Voltage	V_{RRM} V_{RWM} V_{RM}	200	V
RMS Reverse voltage	$V_{R(RMS)}$	180	V
Average Rectified Output Current	I_O	4	A
Non Repetitive Current	I_{FM}	8	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	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

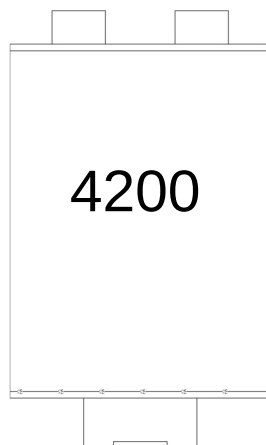
Electrical Characteristic Curve



⊂ É Ò L f / Package Dimensions



1. 1" / Marking Instructions



4200

Note:

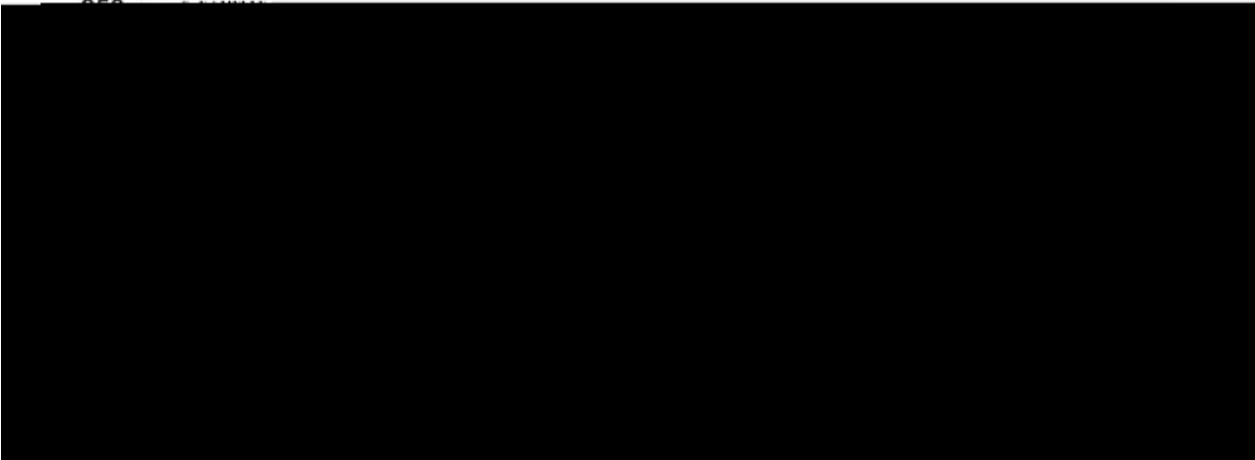
4200

Product Type.

****:

Lot No. Code, code change with Lot No.

Thermal Shock Test (TSS) / Whp shudwxuh Suriloh i ru LU Uhior z Vroghulqj+Se0luhh,



- 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.