LV4200E

Rev.F Oct.-2018

DATA SHEET

"Yـ / Descriptions

TO-277

TO-277 Plastic package Schottky diode .

◕ È / Features

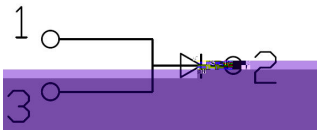
High Forward Surge Capability, Ultra Low Forward Voltage Drop, Excellent High Temperature Stability.

HF Product.

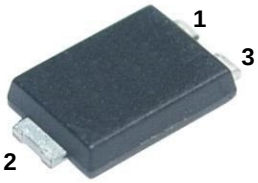
ᵛ ِ / Applications

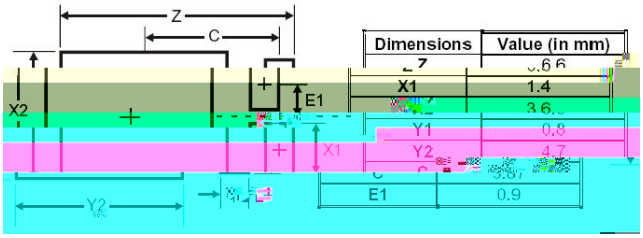
For use in low voltage,high frequency inverters, free wheeling, and polarity protection applications.

Л ف ً ǒ ≠ ع / Equivalent Circuit



ã ﺇ ﻭ ً / Pinning





PIN1 Anode PIN 2 Cathode PIN 3 Anode Suggested Pad layout

ǒ ﺯ z ﻁ. ʜ ב / h_{FE} Classifications & Marking

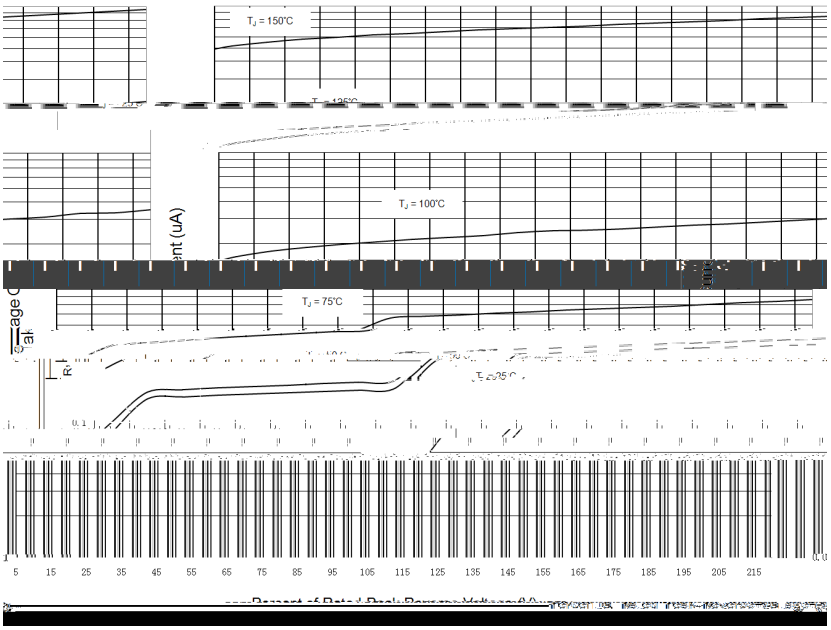
See Marking Instructions.

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

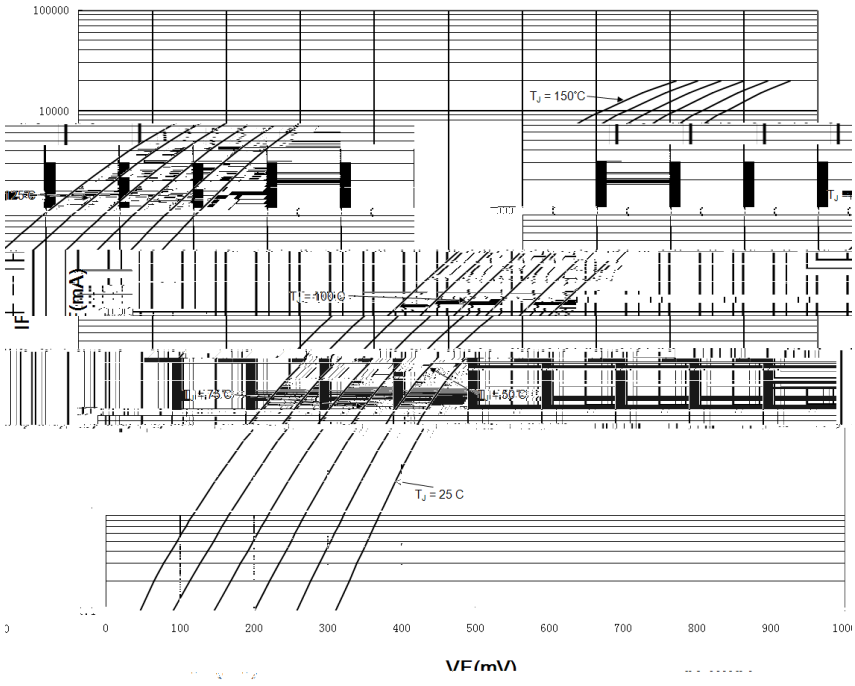
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	V_R	I_R=0.3mA	200			V
Forward voltage	V_F	I_F=3A T_J=25 /T_J=125		780/625	820	mV
		I_F=4A T_J=25 /T_J=125		795/649	840	mV
		I_F=8A T_J=25 /T_J=125		851/715	890	mV

≠ Ǝ ̃Ạ´E ᛋ ƒ / Electrical Characteristic Curve

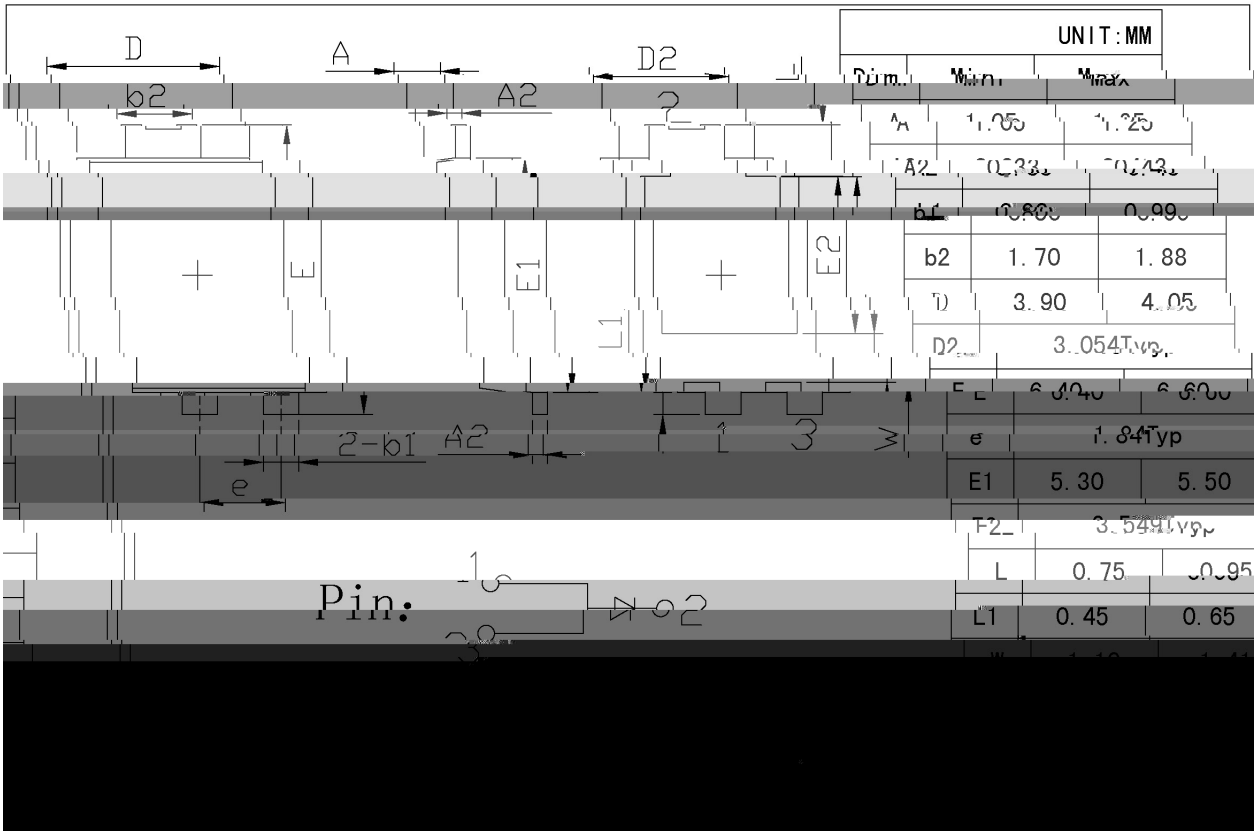
IR-VR



IF-VF



ᵘ ĖÒĻ ʃ / Package Dimensions



ł. Ļ‴Ω / Marking Instructions

4200

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Note:

4200	Product Type.
****:	Lot No. Code, code change with Lot No.

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							Note:
1		150	180		60	90sec;	1.Preheating:150~180 , Time:60~90sec.
2		245±5				5±0.5sec;	2.Peak Temp.:245±5 , Duration:5±0.5sec.
3				2	10	/sec.	3.