

SHINDENGEN

General Purpose Rectifiers

Low Noise Bridges

LN1VB60

600V 1.2A

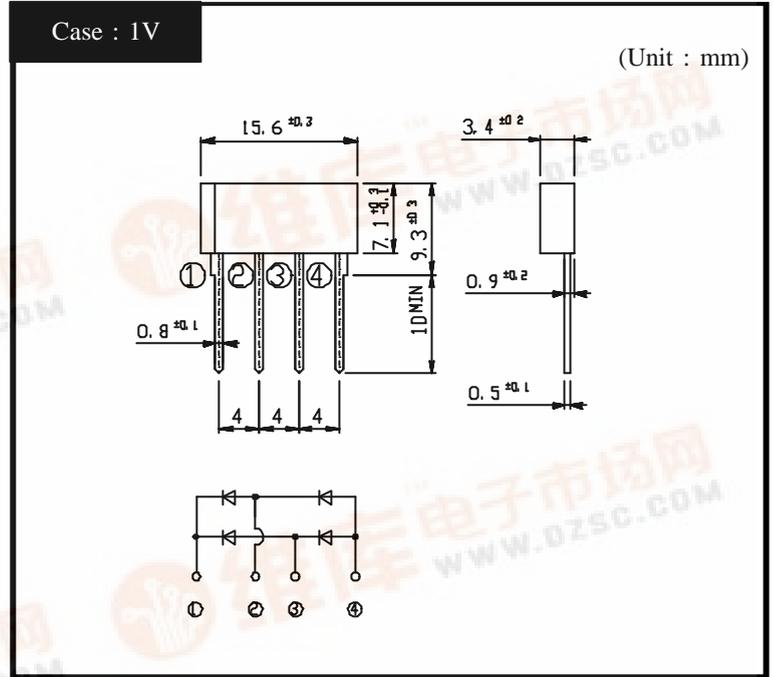
FEATURES

- Low noise
- Small Single In-Line (SIL) Package
- Applicable to Automatic Insertion

APPLICATION

- Adapter
- Switching power supply
- Home Appliances, Office Equipment,
- Telecommunication

OUTLINE DIMENSIONS



RATINGS

Absolute Maximum Ratings (If not specified Tl=25)

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-40 ~ 150	
Operating Junction Temperature	Tj		150	
Maximum Reverse Voltage	V _{RM}		600	V
Average Rectified Forward Current	I _O	50Hz sine wave, R-load, Ta=25	1.2	A
Peak Surge Forward Current	I _{FSM}	50Hz sine wave, Non-repetitive 1cycle peak value, Tj=25	50	A
Current Squared Time	I ² t	1ms t < 10ms Tj=25	6	A ² s

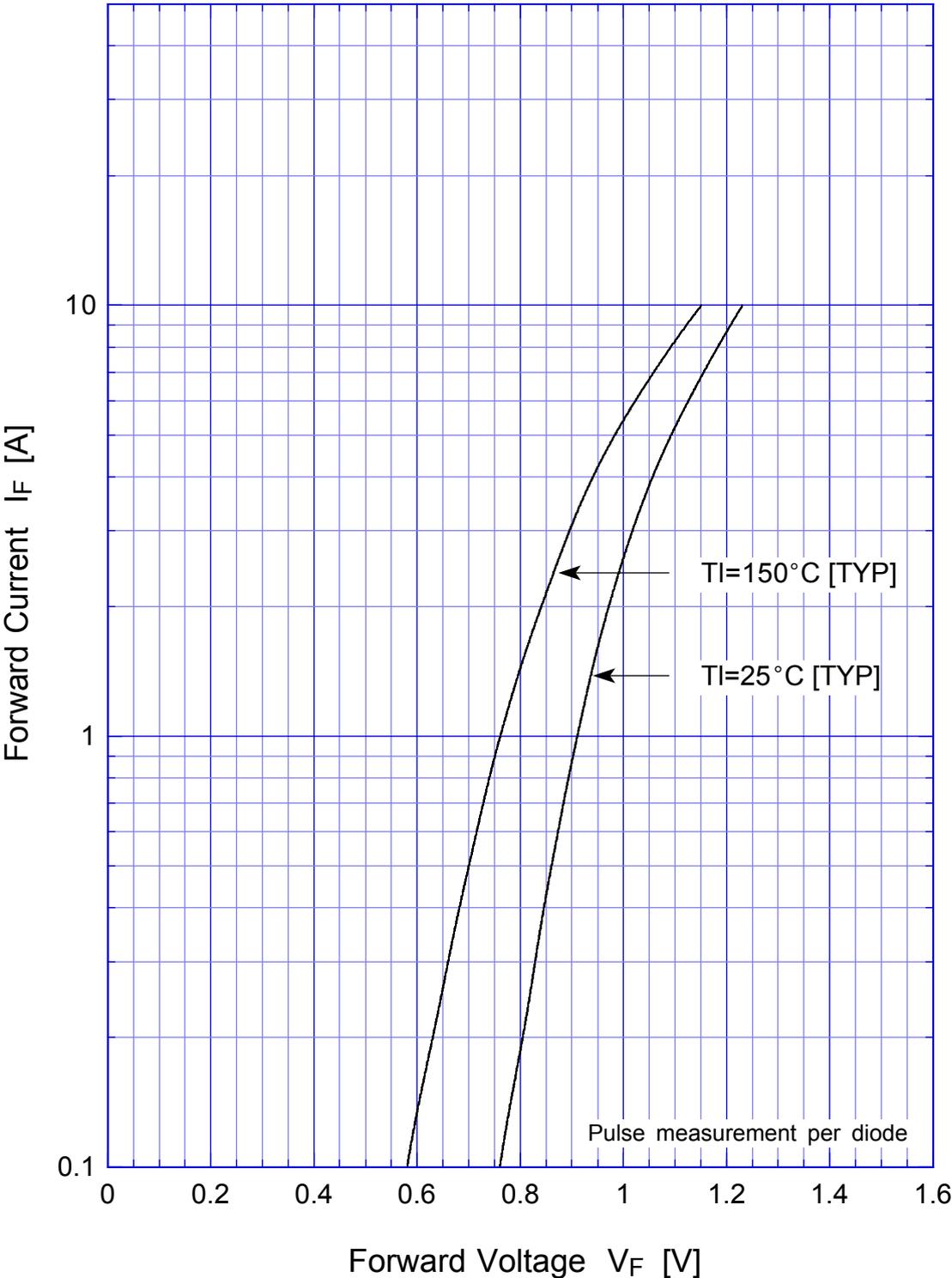
Electrical Characteristics (If not specified Tl=25)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V _F	I _F =0.6A, Pulse measurement, Rating of per diode	Max. 1.0	V
Reverse Current	I _R	V _R =V _{RM} , Pulse measurement, Rating of per diode	Max. 10	μA
Reverse Recovery Time	trr	I _F =0.1A, I _R =0.1A, Rating of per diode	Max. 5	μs
Thermal Resistance	j-l	junction to lead	Max.16	/W
	j-a	junction to ambient	Max. 62	

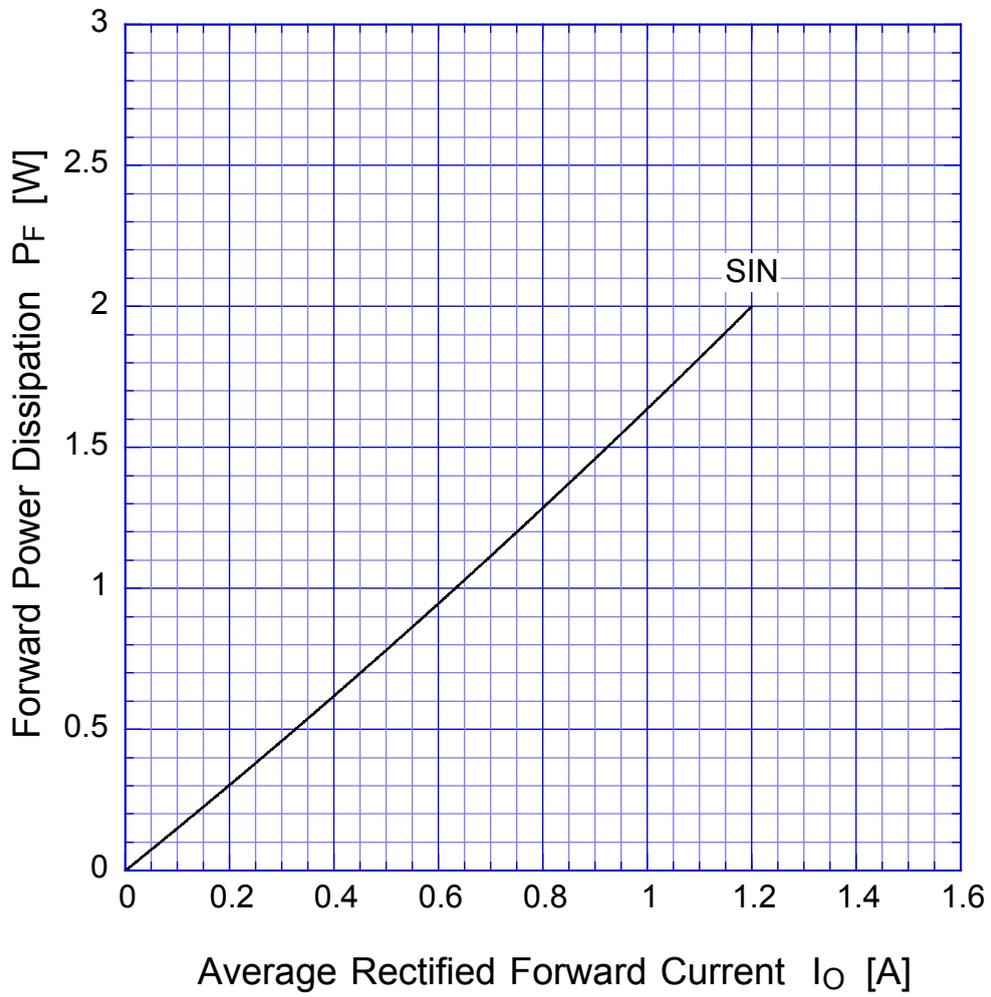


LN1VB60

Forward Voltage



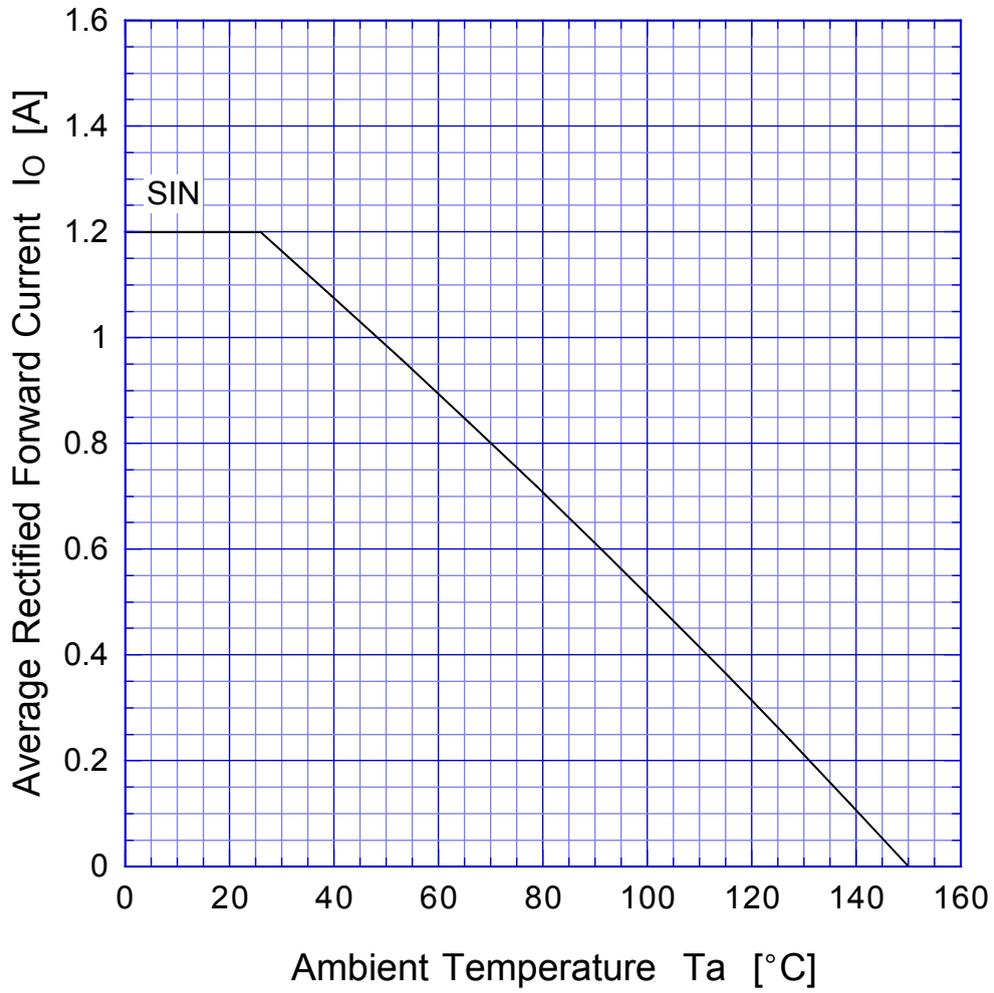
LN1VB60 Forward Power Dissipation



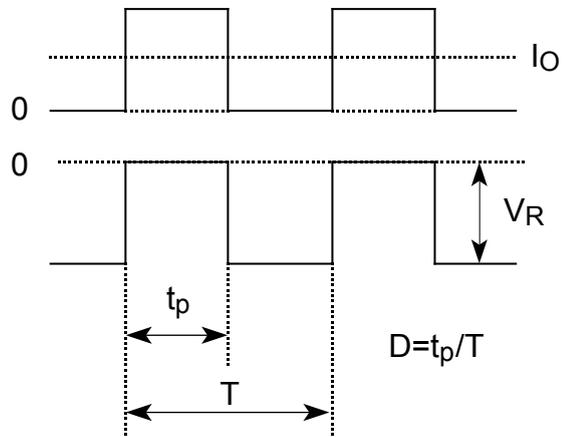
$T_j = 150^\circ\text{C}$
Sine wave

LN1VB60

Derating Curve



$V_R = 600V$



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Peak Surge Forward Capability

