

LN1VB60

600V 1.2A

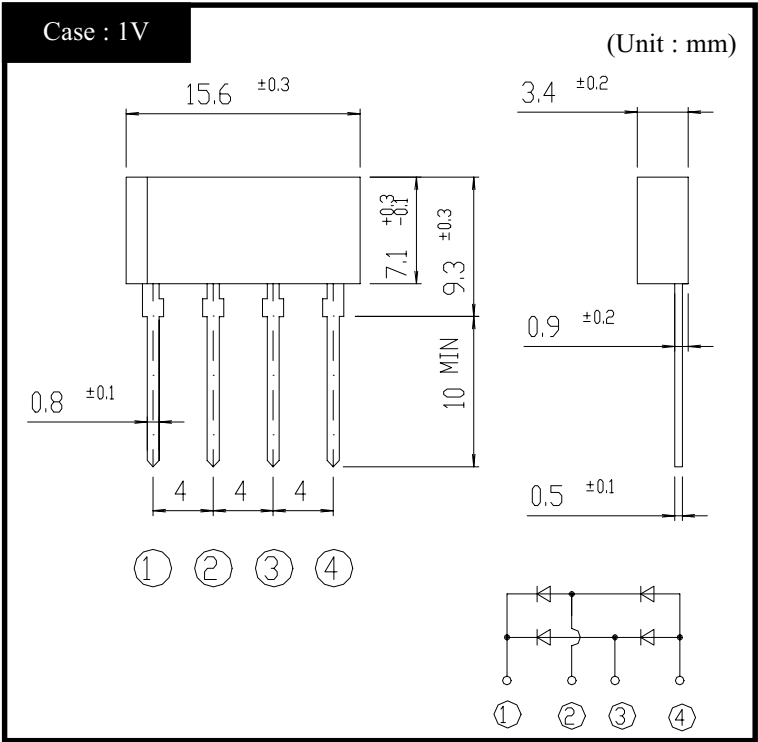
FEATURES

- 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°C)

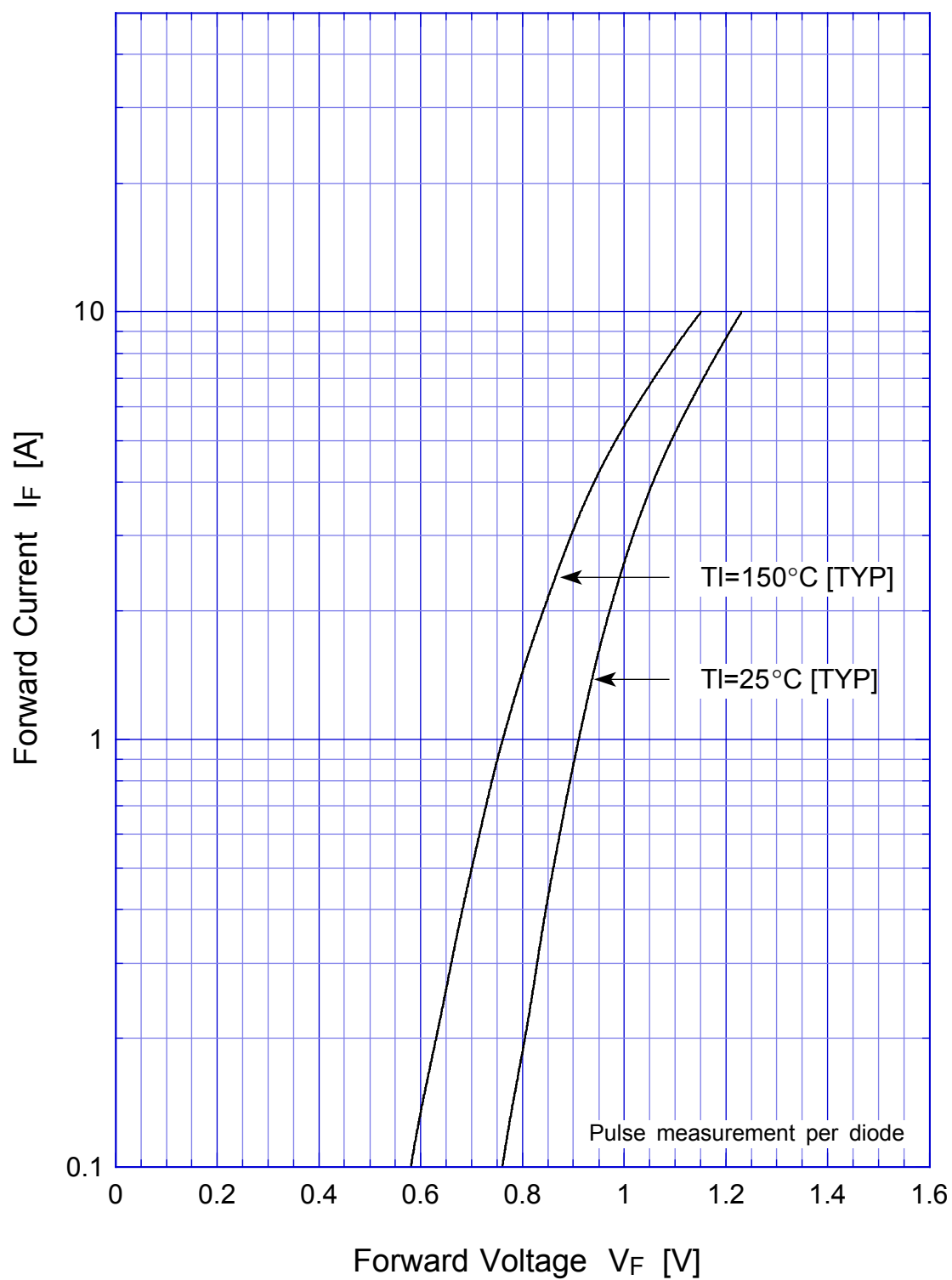
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-40~150	°C
Operating Junction Temperature	Tj		150	°C
Maximum Reverse Voltage	VRM		600	V
Average Rectified Forward Current	IO	50Hz sine wave, R-load, Ta=25°C	1.2	A
Peak Surge Forward Current	IFSM	50Hz sine wave, Non-repetitive 1cycle peak value,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

●Electrical Characteristics (If not specified Tl=25°C)

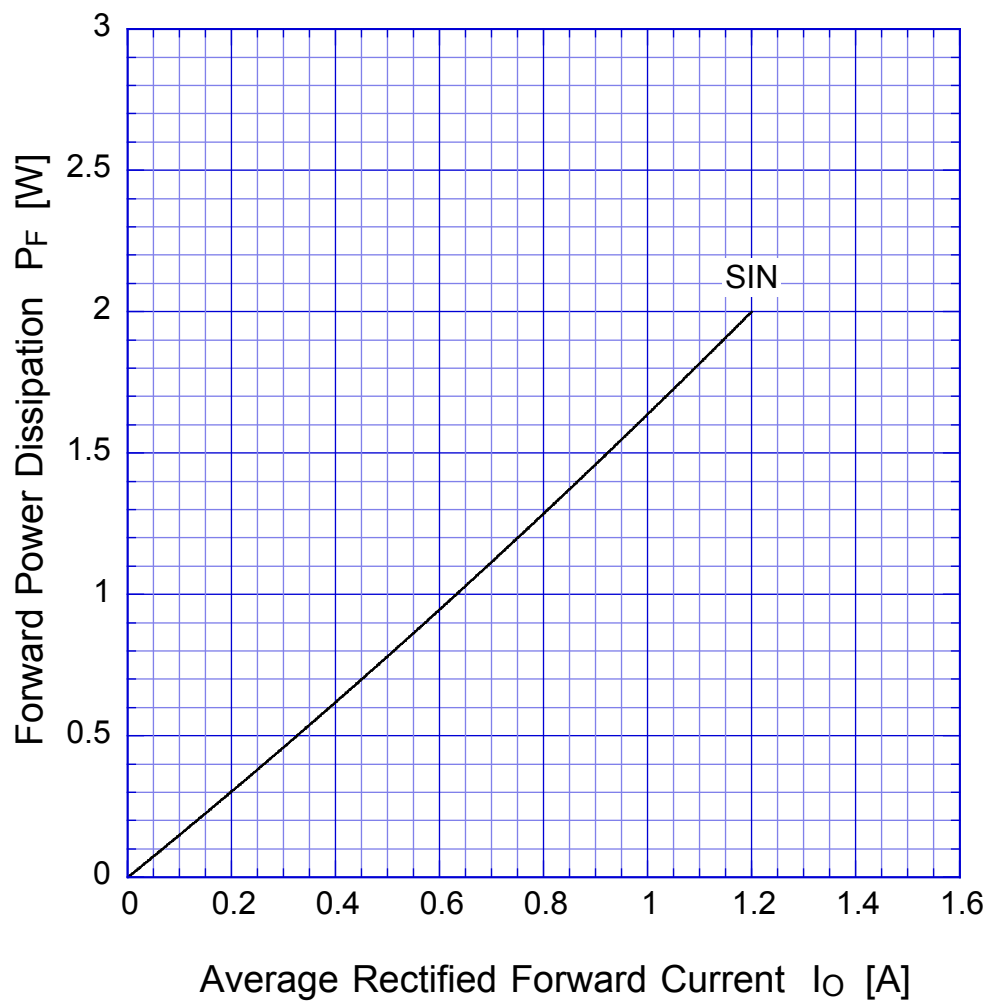
Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	VF	IF=0.6A, Pulse measurement, Rating of per diode	Max. 1.0	V
Reverse Current	IR	VR=VRM, Pulse measurement, Rating of per diode	Max. 10	μA
Reverse Recovery Time	trr	IF=0.1A, IR=0.1A, Rating of per diode	Max. 5	μs
Thermal Resistance	θjl	junction to lead	Max.16	°C/W
	θja	junction to ambient	Max. 62	

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Forward Voltage



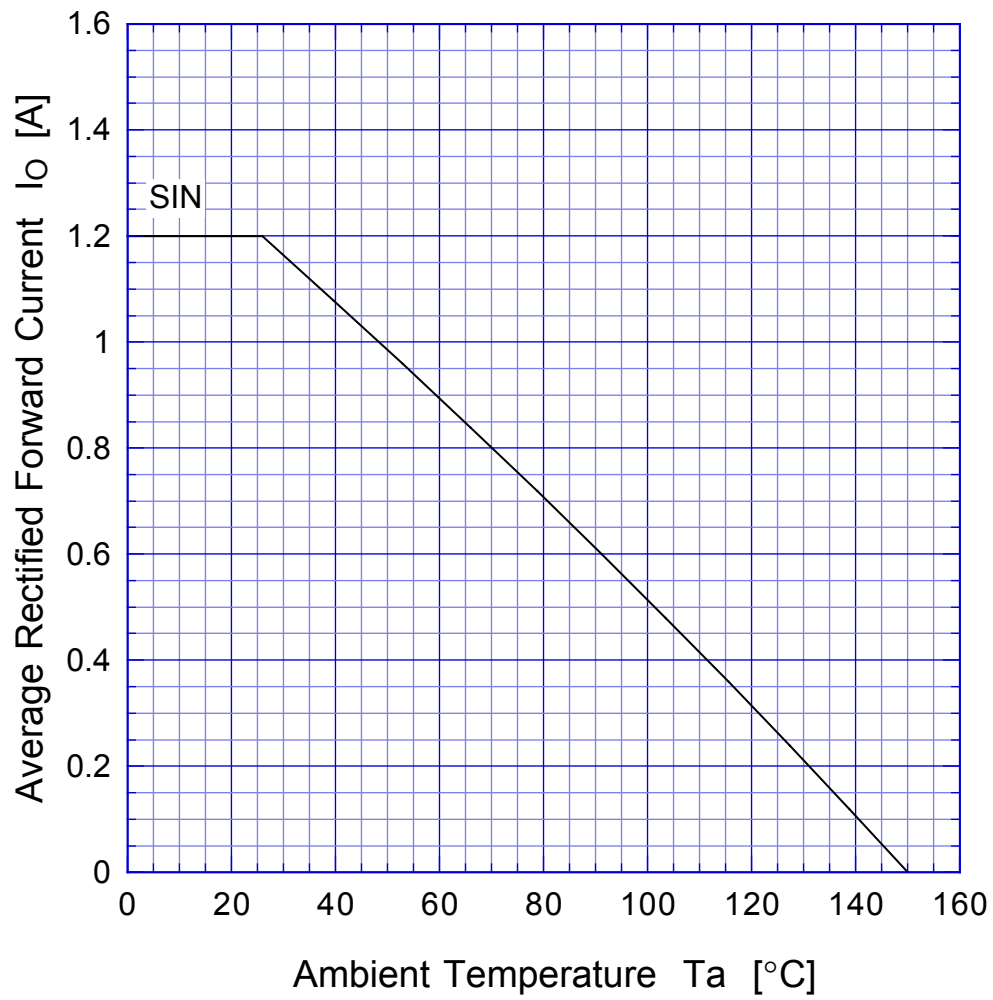
LN1VB60 Forward Power Dissipation



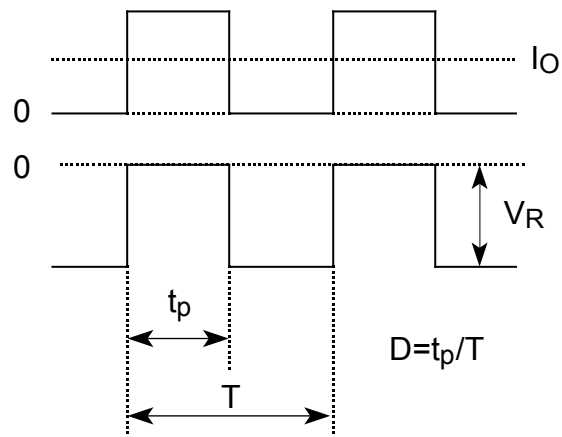
$T_j = 150^\circ\text{C}$
Sine wave

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Derating Curve



$V_R = 600V$



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Peak Surge Forward Capability

