

LN2SB60

600V 1.6A

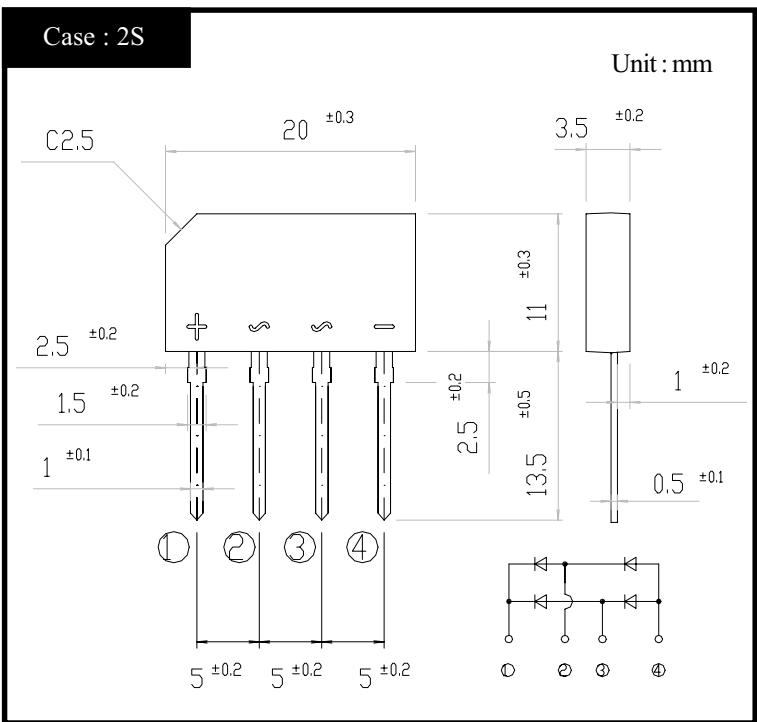
FEATURES

- Low noise
- 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)

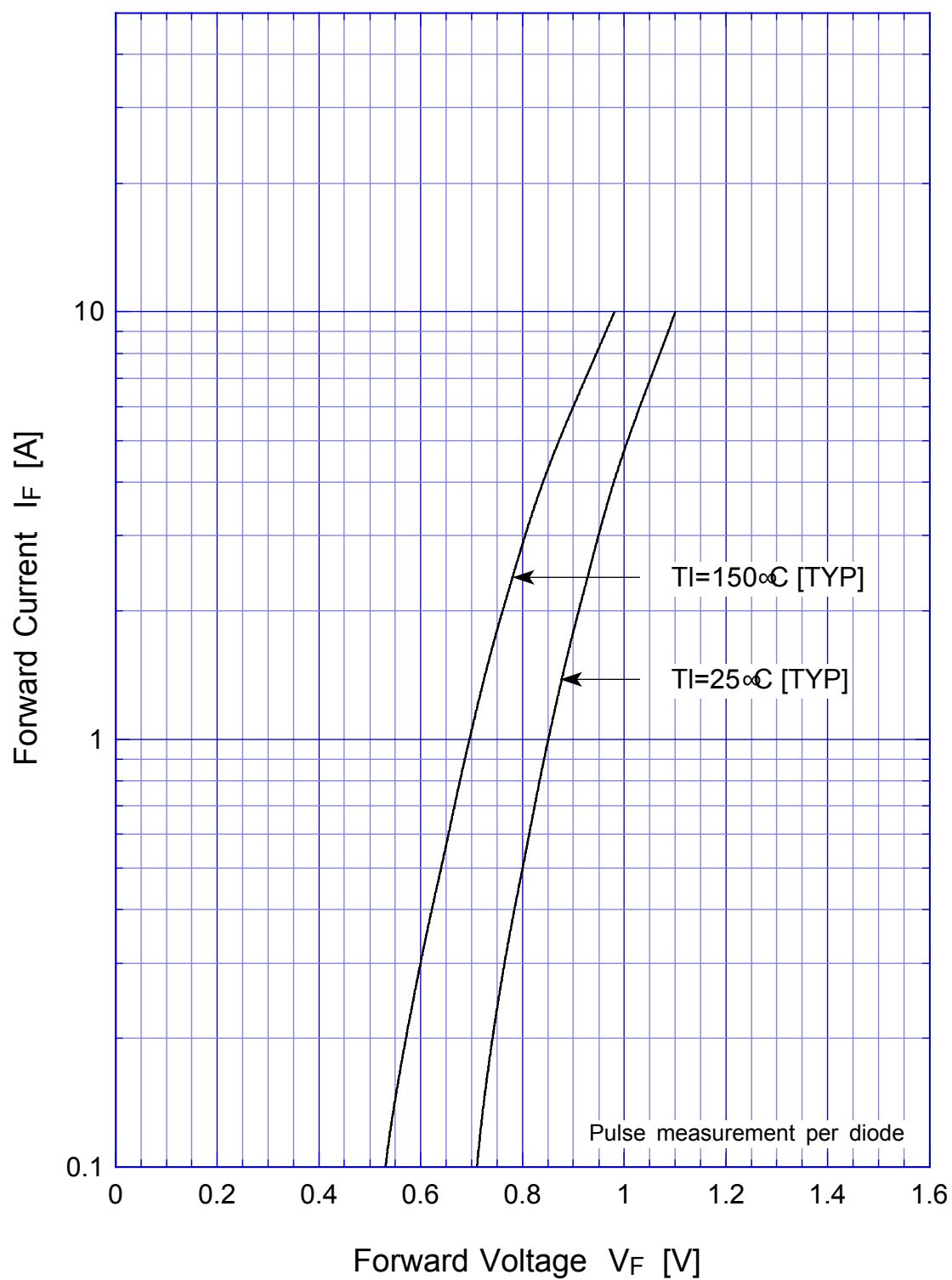
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-40~150	°C
Operating Junction Temperature	Tj		150	°C
Maximum Reverse Voltage	VRM		600	V
Average Rectified Forward Current	Io	50Hz sine wave, R-load, On glass-epoxy substrate, Ta=25°C	1.6	A
Peak Surge Forward Current	IFSM	50Hz sine wave, Non-repetitive 1cycle peak value, Tj=25°C	120	A
Current Squared Time	I ² t	1ms ≤ t < 10ms Tj=25°C	40	A ² s

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

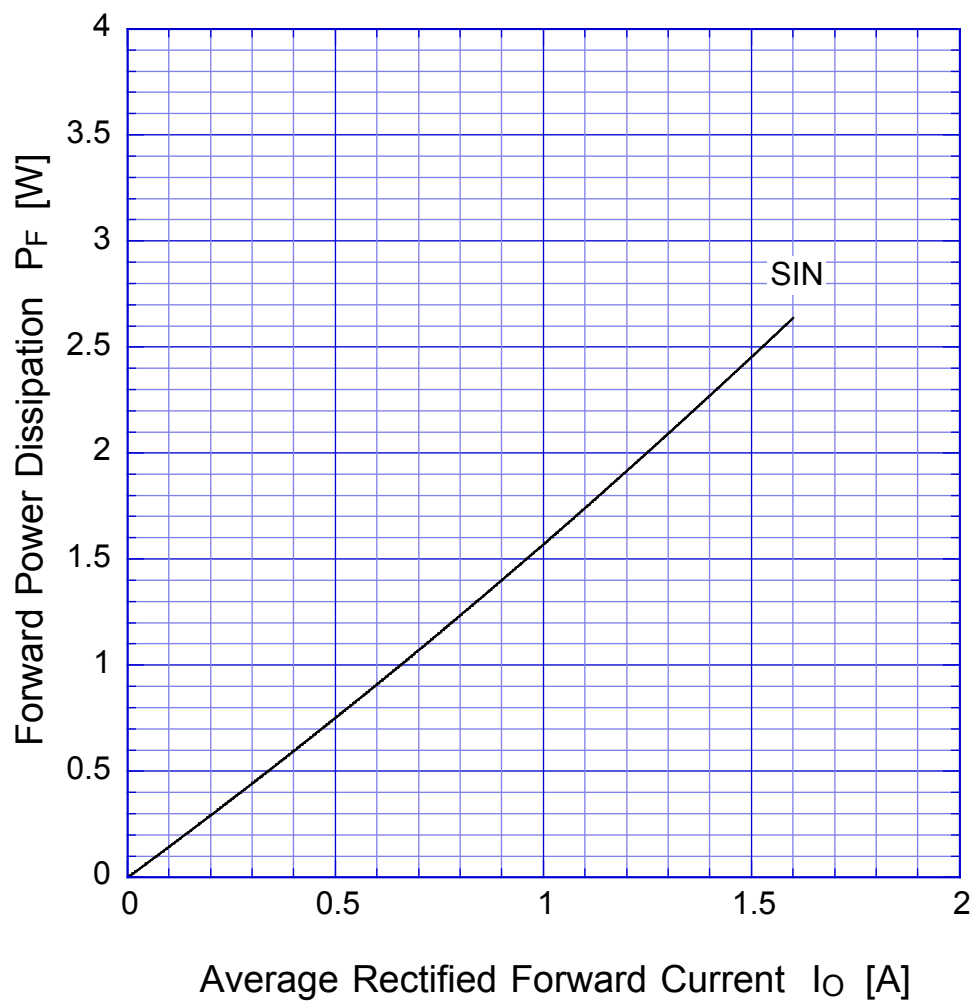
Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	VF	IF=0.8A, Pulse measurement, Rating of per diode	MAX 1.0	V
Reverse Current	IR	VR=VRM, Pulse measurement, Rating of per diode	MAX 10	μ A
Reverse Recovery Time	trr	IF=0.1A, IR=0.1A, Rating of per diode	MAX 5	μ s
Thermal Resistance	θ jl	junction to lead	MAX 10	°C/W
	θ ja	junction to ambient	MAX 47	

LN2SB60

Forward Voltage



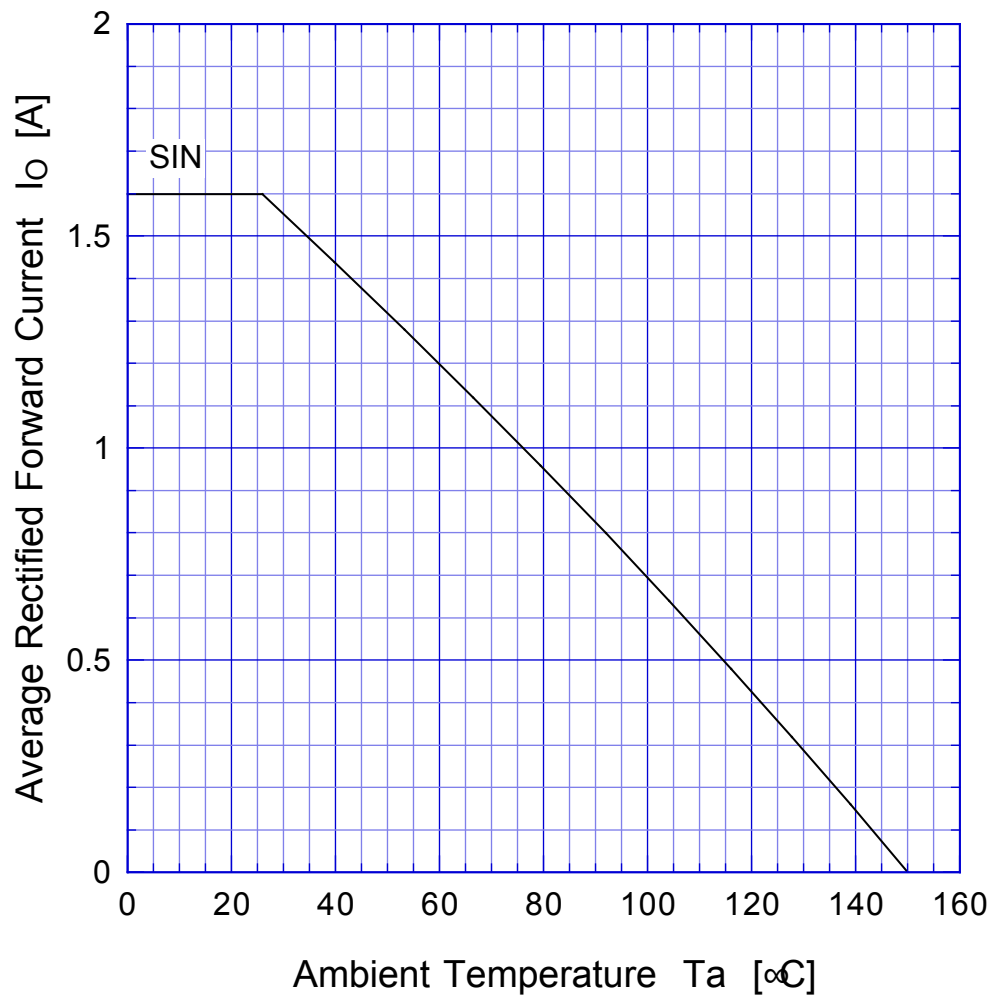
LN2SB60 Forward Power Dissipation



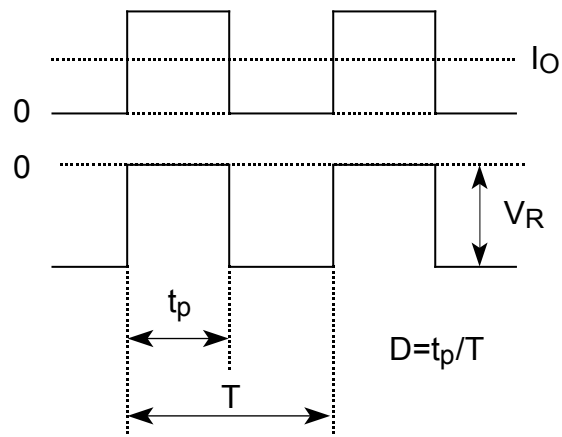
$T_j = 150^{\circ}\text{C}$
Sine wave

LN2SB60

Derating Curve



$V_R = 600V$



LN2SB60

Peak Surge Forward Capability

