

SHINDENGEN

General Purpose Rectifiers

Low Noise Bridges

LN2SB60

600V 1.6A

FEATURES

- Low noise
- SIL package
- Applicable to Automatic Insertion

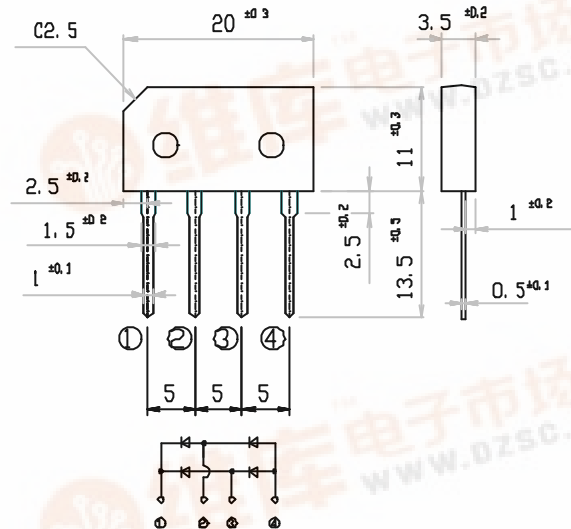
APPLICATION

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

OUTLINE DIMENSIONS

Case : 2S

Unit : mm



RATINGS

- Absolute Maximum Ratings (If not specified Tl=25)

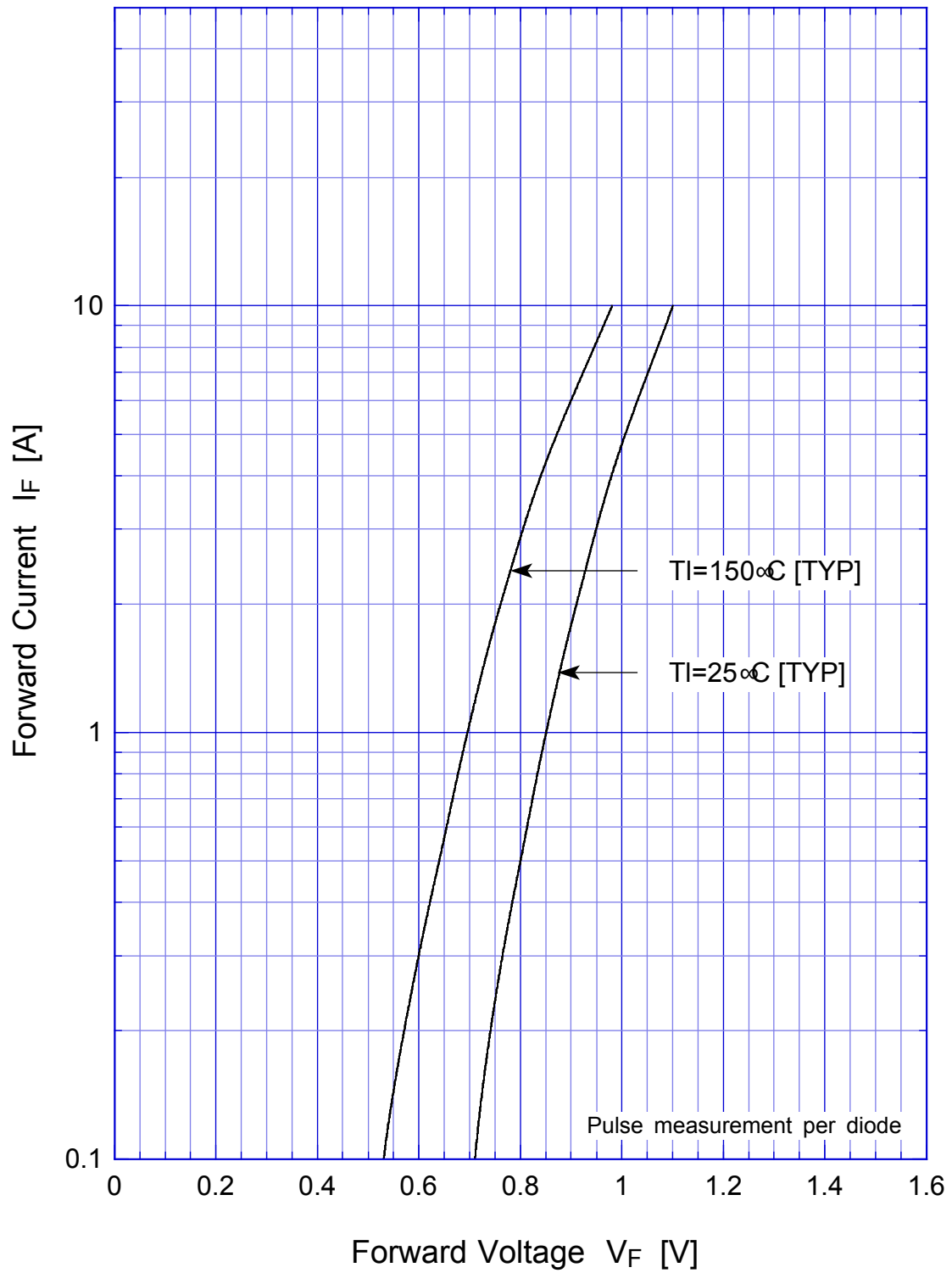
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-40 ~ 150	
Operating Junction Temperature	Tj		150	
Maximum Reverse Voltage	V _{RM}		600	V
Average Rectified Forward Current	I _o	50Hz sine wave, R-load, On glass-epoxy substrate, Ta=25	1.6	A
Peak Surge Forward Current	I _{FSM}	50Hz sine wave,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

- Electrical Characteristics (If not specified Tl=25)

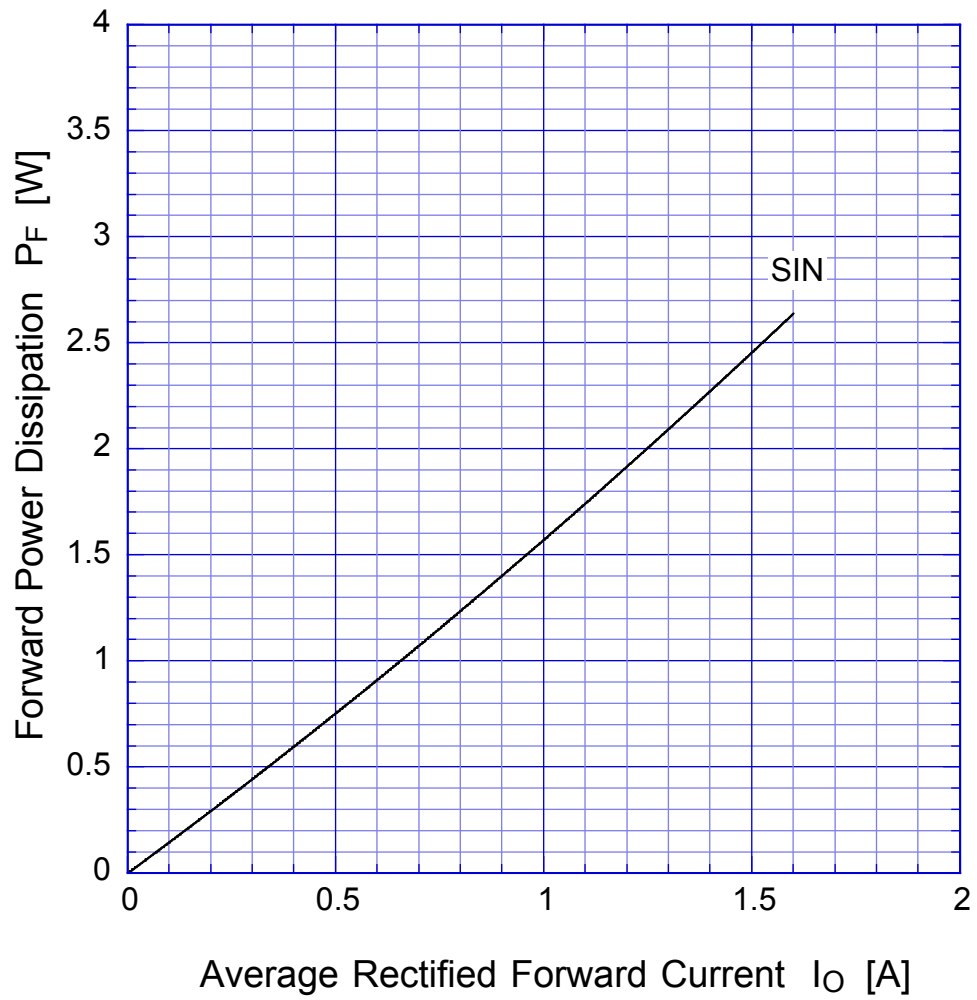
Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V _F	I _F =0.8A, Pulse measurement, Rating of per diode	MAX 1.0	V
Reverse Current	I _R	V _R =V _{RM} , Pulse measurement, Rating of per diode	MAX 10	μA
Reverse Recovery Time	t _{rr}	I _F =0.1A, I _R =0.1A, Rating of per diode	MAX 5	μs
Thermal Resistance	θ _{jl}	junction to lead	MAX 10	/W
	θ _{ja}	junction to ambient	MAX 65	

LN2SB60

Forward Voltage



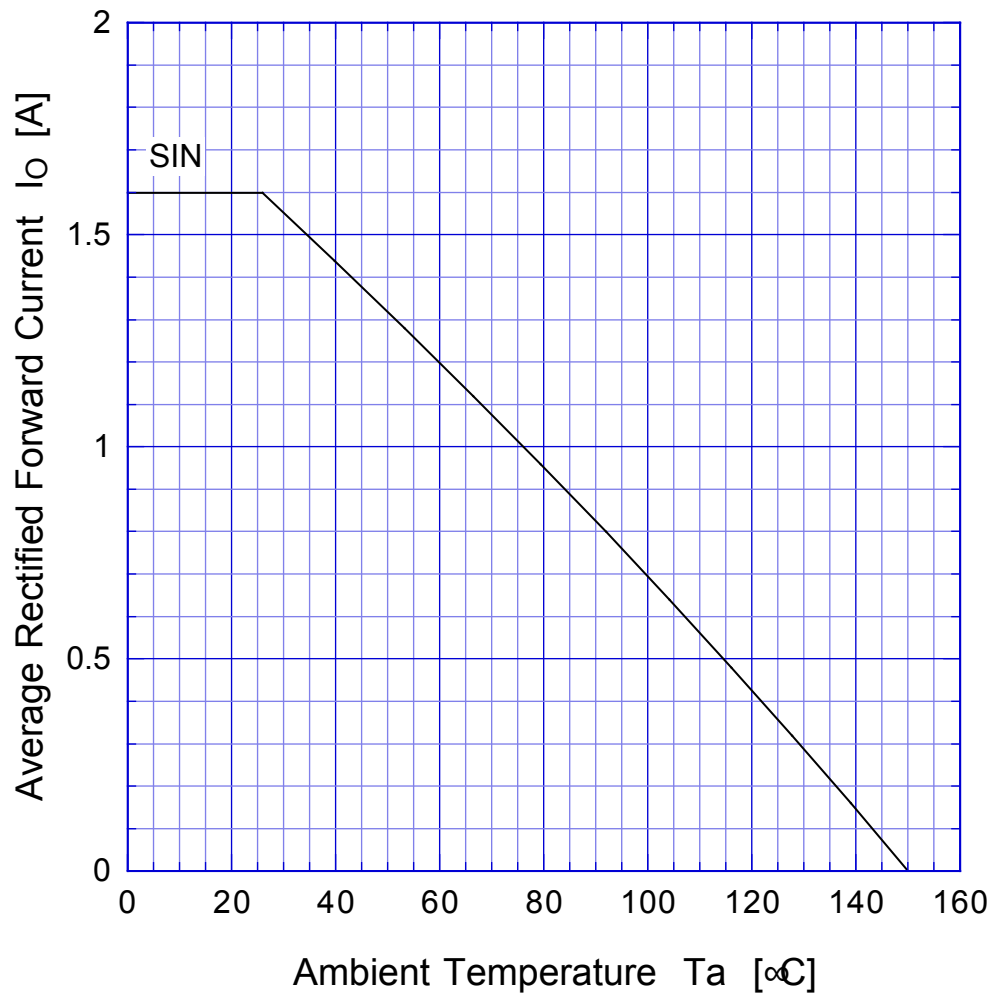
LN2SB60 Forward Power Dissipation



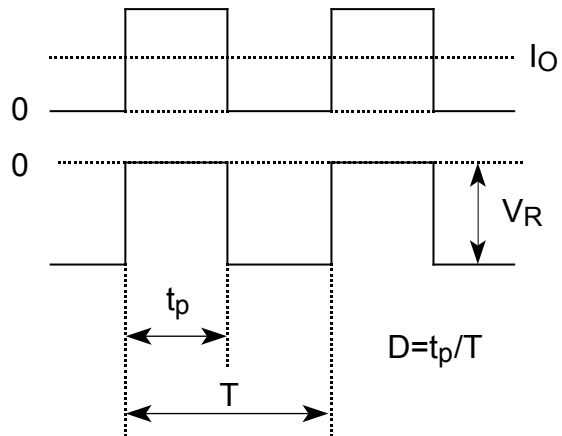
$T_j = 150^{\circ}\text{C}$
Sine wave

LN2SB60

Derating Curve



$V_R = 600V$



LN2SB60

Peak Surge Forward Capability

