

SHINDENGEN

General Purpose Rectifiers

SIL Bridges

D2SBA60

600V 1.5A

FEATURES

- Thin Single In-Line Package
- High IFSM
- Applicable to Automatic Insertion

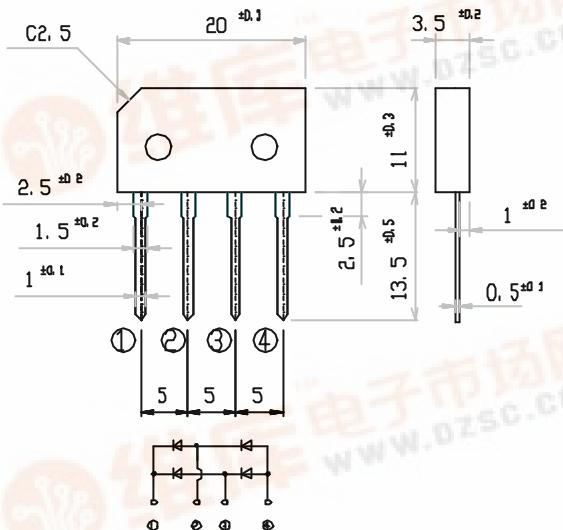
APPLICATION

- Switching power supply
- Home Appliances, Office Equipment
- Telecommunication, Factory Automation

OUTLINE DIMENSIONS

Case : 2S

Unit : mm



RATINGS

Absolute Maximum Ratings (If not specified $T_J=25^\circ\text{C}$)

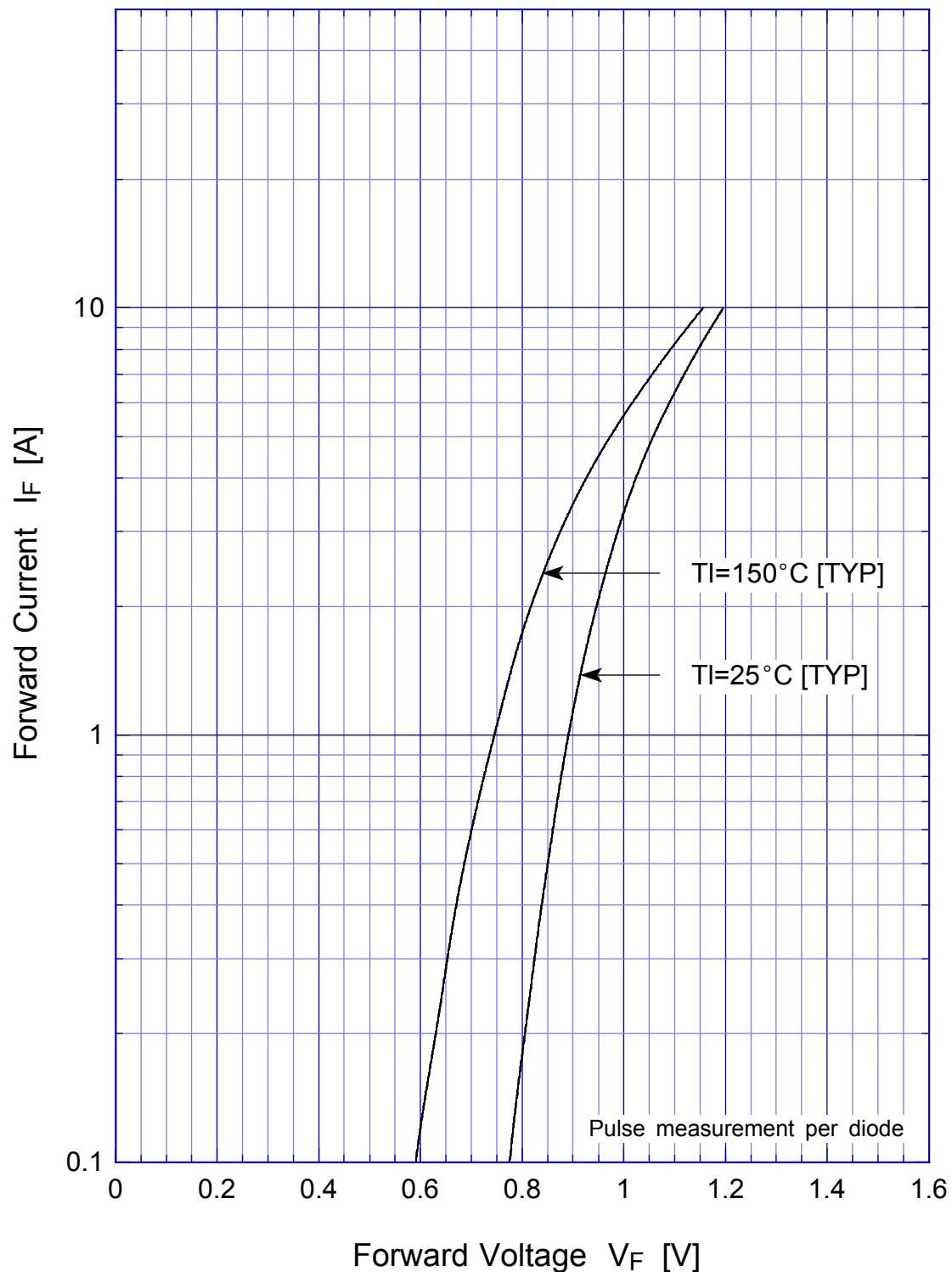
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T_{stg}		-40 ~ 150	
Operating Junction Temperature	T_J		150	
Maximum Reverse Voltage	V_{RM}		600	V
Average Rectified Forward Current	I_O	50Hz sine wave, R-load, On glass-epoxy substrate, $T_a=25^\circ\text{C}$	1.5	A
Peak Surge Forward Current	I_{FSM}	50Hz sine wave, Non-repetitive 1cycle peak value, $T_J=25^\circ\text{C}$	60	A
Current Squared Time	I^2t	1ms $t < 10\text{ms}$ $T_J=25^\circ\text{C}$	16	A^2s

Electrical Characteristics (If not specified $T_J=25^\circ\text{C}$)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V_F	$I_F=0.75\text{A}$, Pulse measurement, Rating of per diode	Max.1.05	V
Reverse Current	I_R	$V_R=V_{RM}$, Pulse measurement, Rating of per diode	Max.10	μA
Thermal Resistance	j_l	junction to lead	Max.10	/W
	j_a	junction to ambient	Max.47	

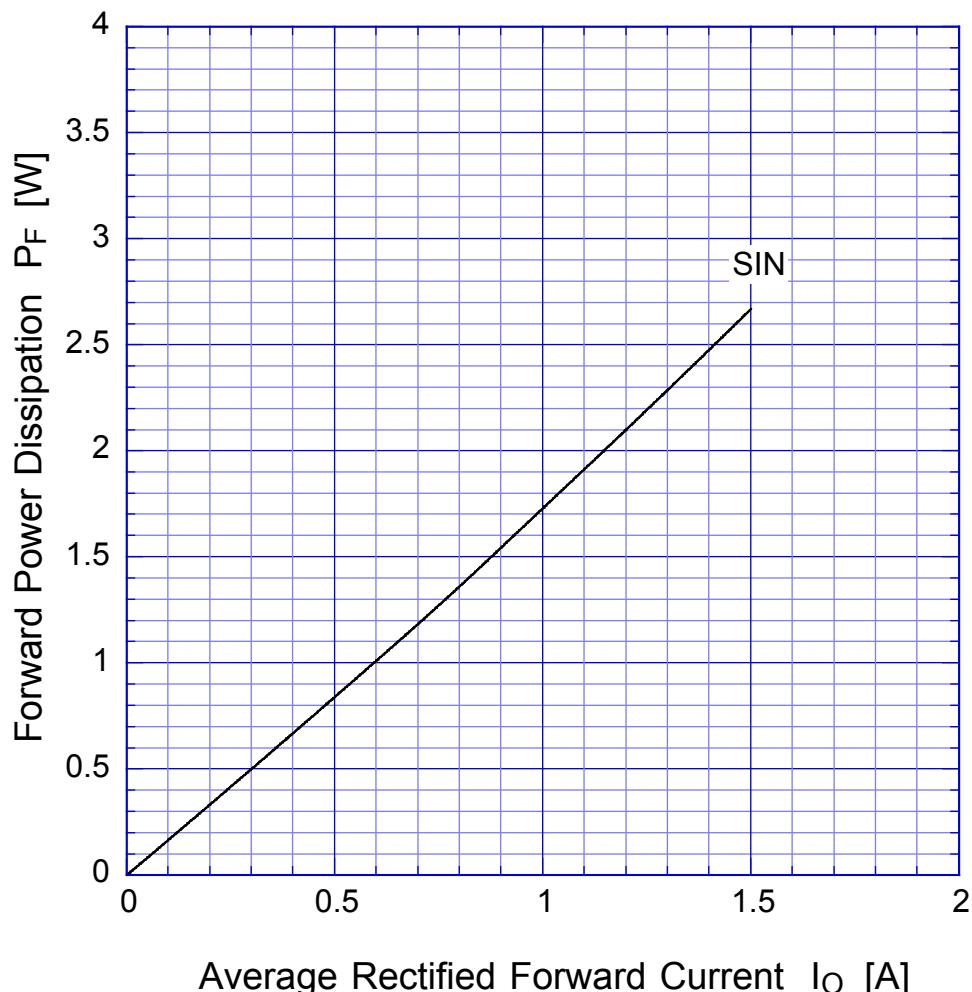
D2SBAx

Forward Voltage

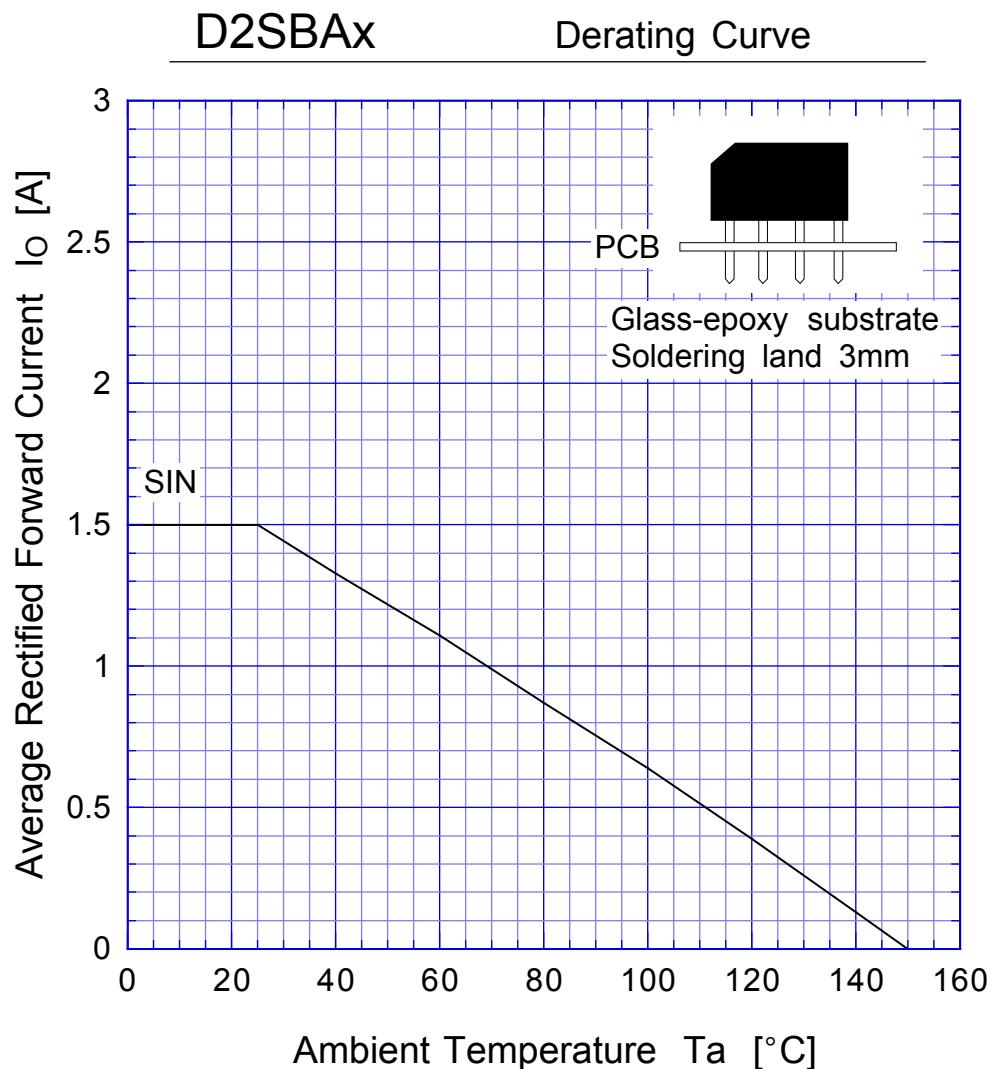


D2SBAx

Forward Power Dissipation



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



Sine wave
R-load
Free in air

D2SBAx

Peak Surge Forward Capability

