

SHINDENGEN

General Purpose Rectifiers

SIL Bridges

D2SBA20

200V 1.5A

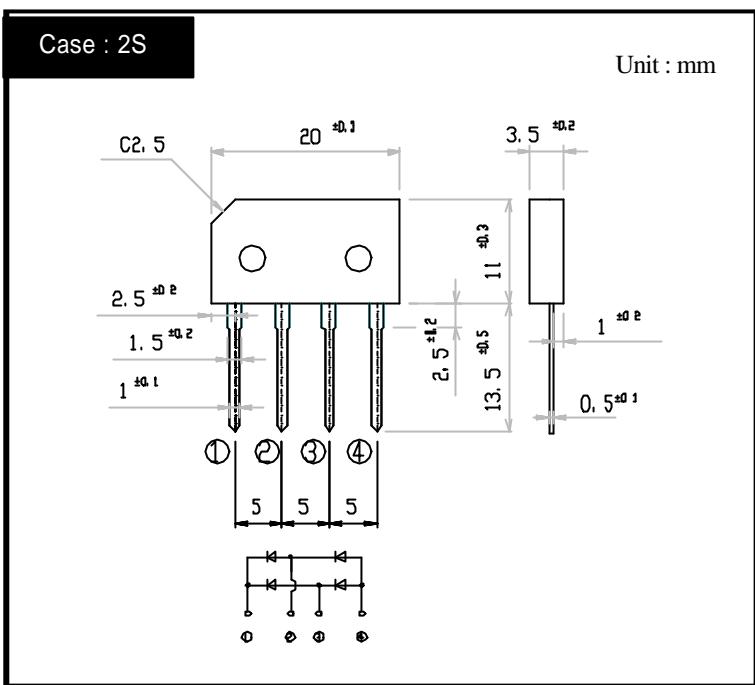
FEATURES

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

APPLICATION

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

OUTLINE DIMENSIONS



RATINGS

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

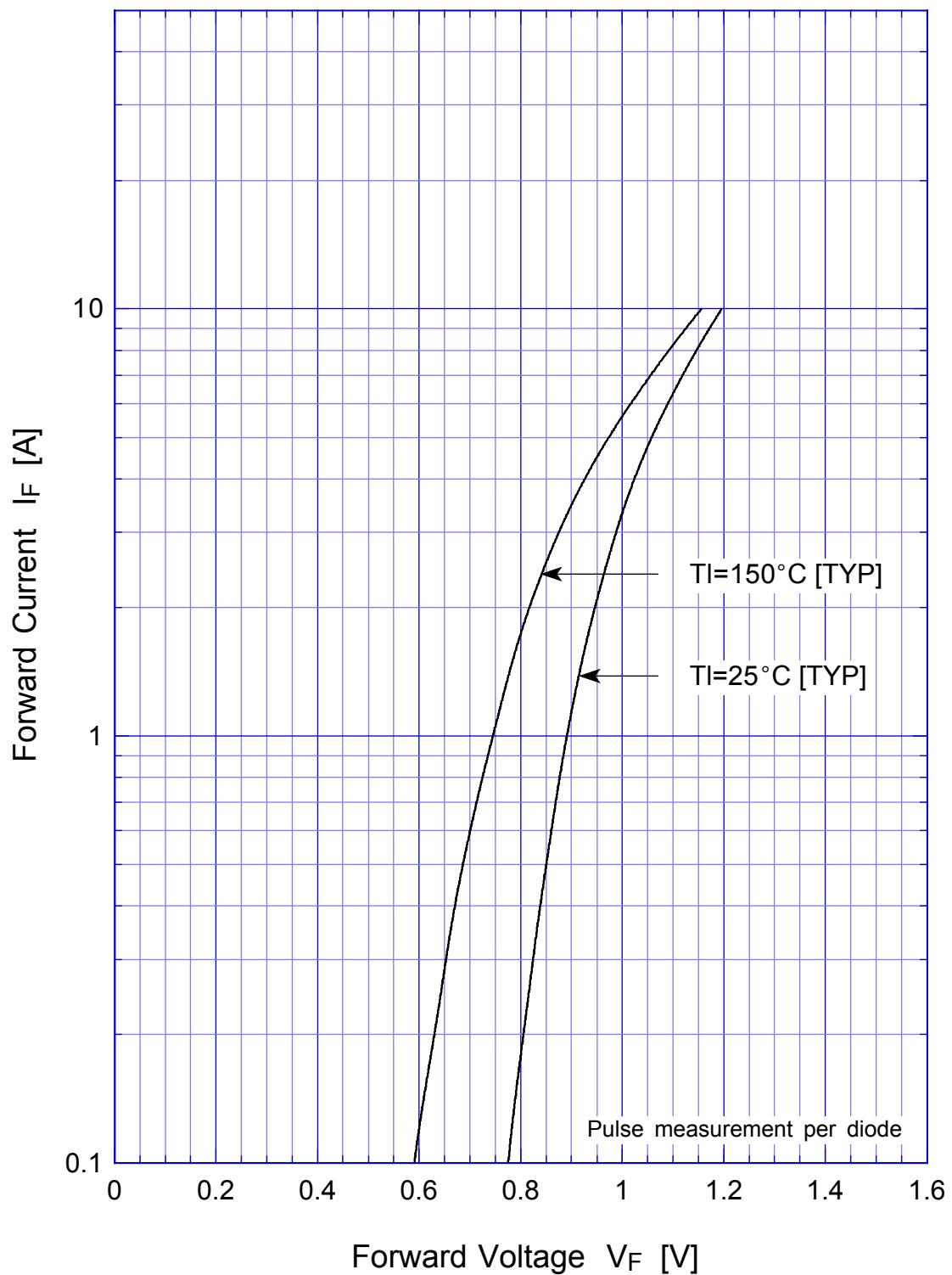
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T_{STG}		-40 ~ 150	
Operating Junction Temperature	T_J		150	
Maximum Reverse Voltage	V_{RM}		200	V
Average Rectified Forward Current	I_O	50Hz sine wave, R-load, On glass-epoxy substrate, $T_a=25^\circ C$	1.5	A
Peak Surge Forward Current	I_{FSM}	50Hz sine wave, Non-repetitive 1cycle peak value, $T_J=25^\circ C$	60	A
Current Squared Time	I^2t	1ms $t < 10ms$ $T_J=25^\circ C$	16	A ² s

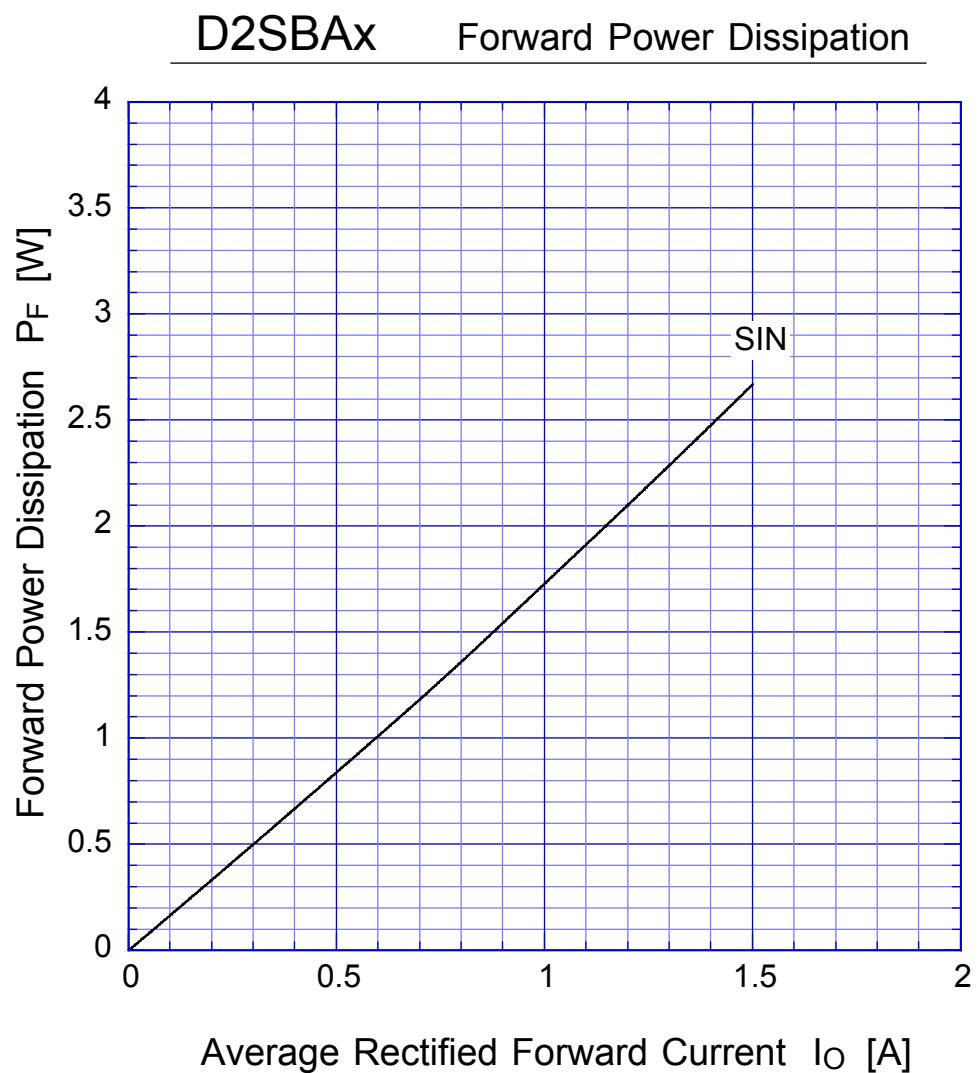
Electrical Characteristics (If not specified $T_J=25^\circ C$)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V_F	$I_F=0.75A$, 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	

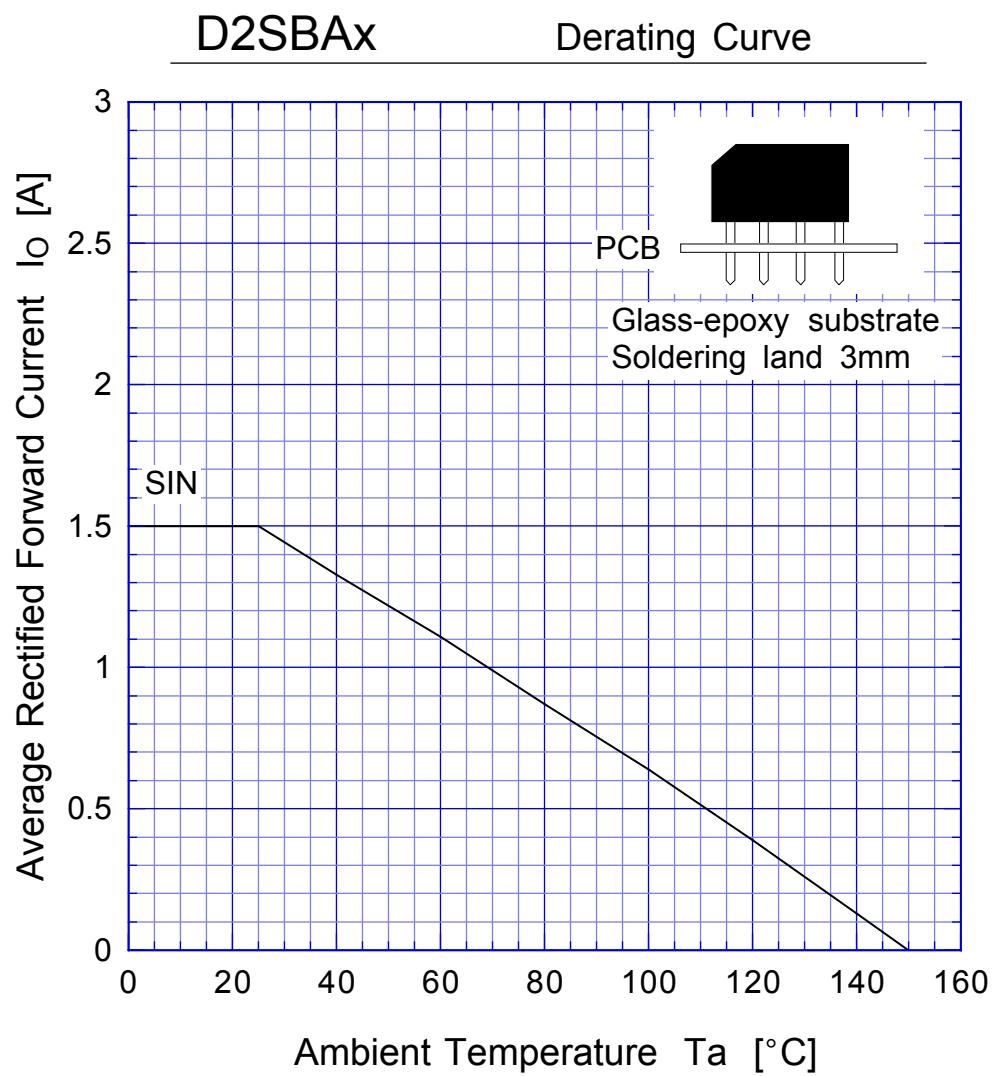
D2SBAx

Forward Voltage





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



Sine wave
R-load
Free in air

D2SBAx

Peak Surge Forward Capability

