

SHINDENGEN

General Purpose Rectifiers

SIL Bridges

S1VBA60

600V 1A

FEATURES

Small Single In-Line(:SIL)Package

High IFSM

Applicable to Automatic Insertion

APPLICATION

Switching power supply

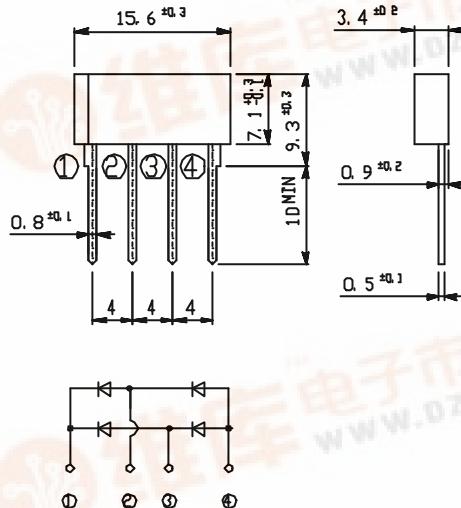
Home Appliances, Office Equipment

Telecommunication, Factory Automation

OUTLINE DIMENSIONS

Case : 1V

Unit : mm



RATINGS

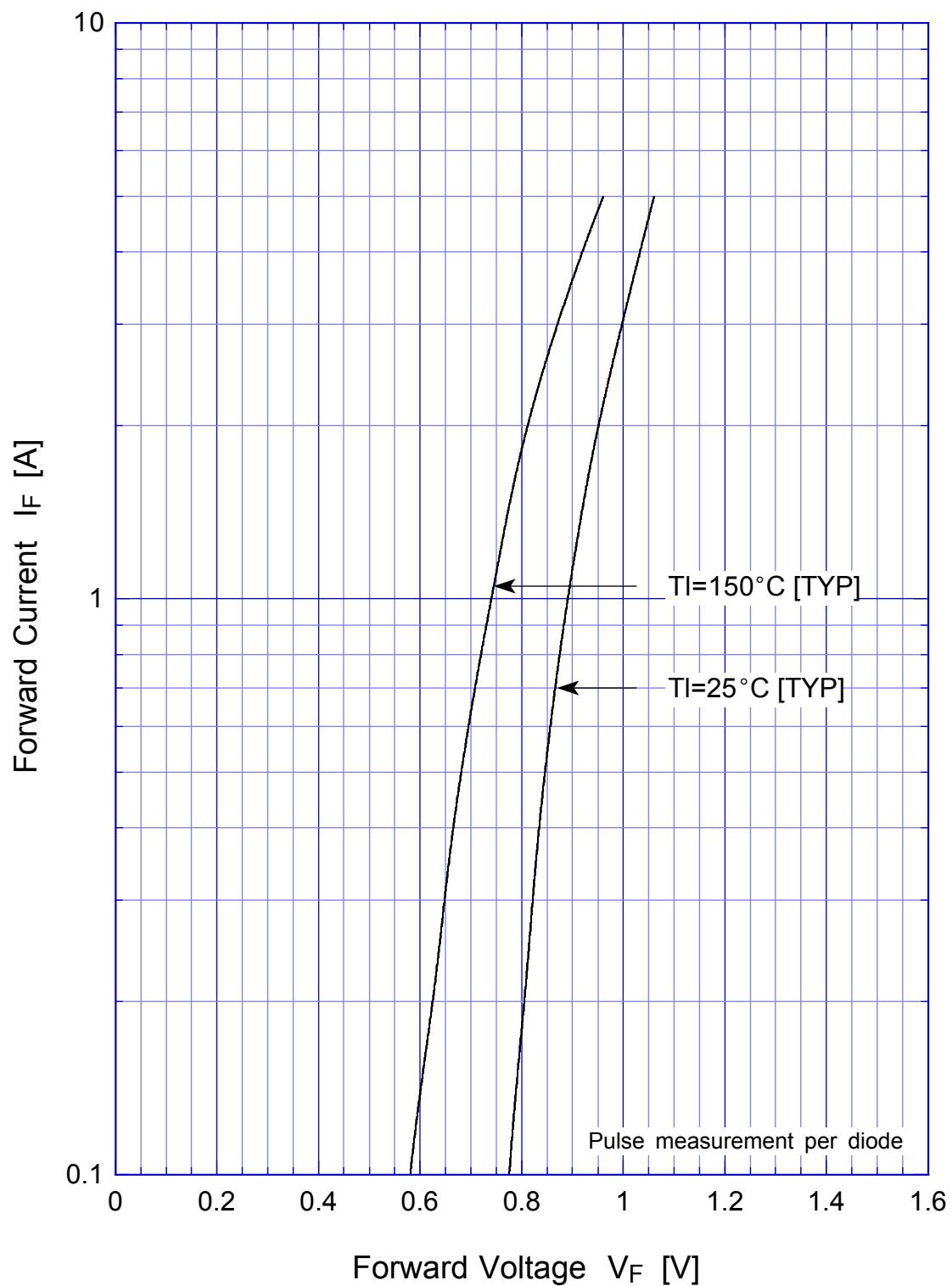
Absolute Maximum Ratings (If not specified $T_J=25^\circ C$)

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

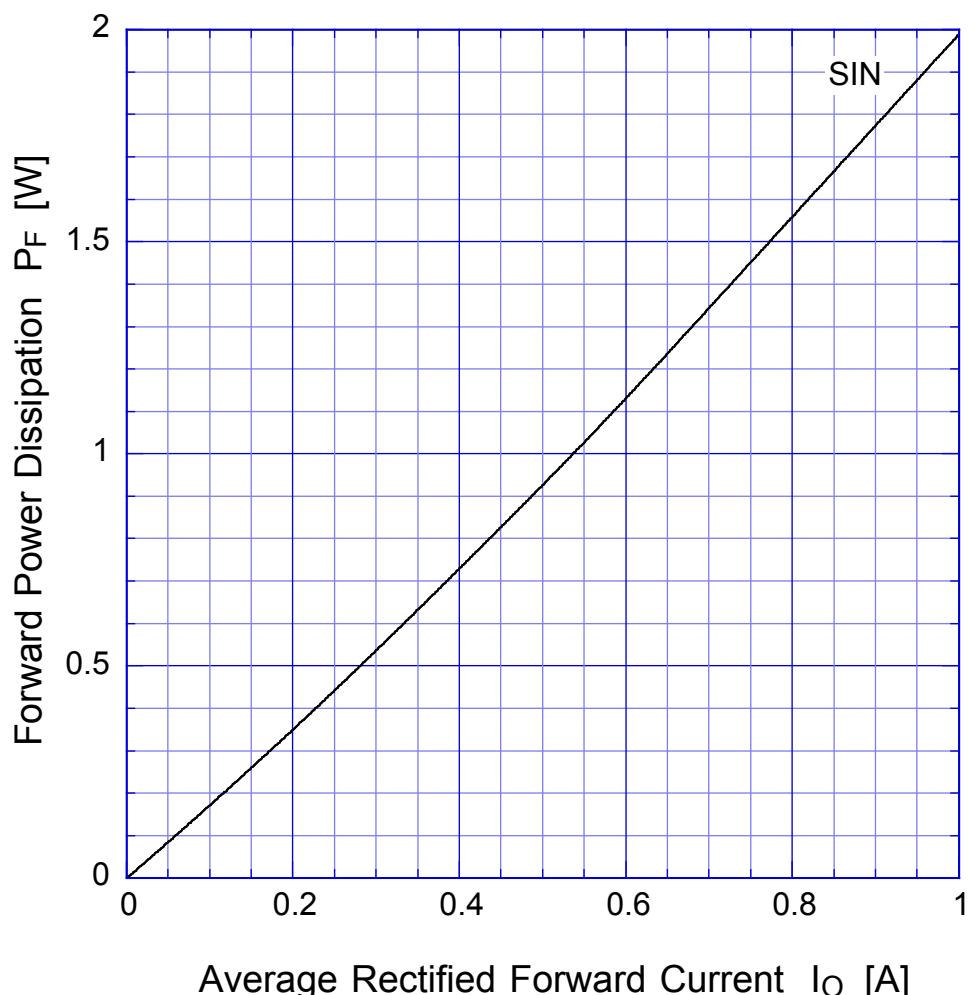
Electrical Characteristics (If not specified $T_J=25^\circ C$)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V_F	$I_F=0.5A$, 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_{il}	junction to lead	Max.16	/W
	j_{ia}	junction to ambient	Max.62	

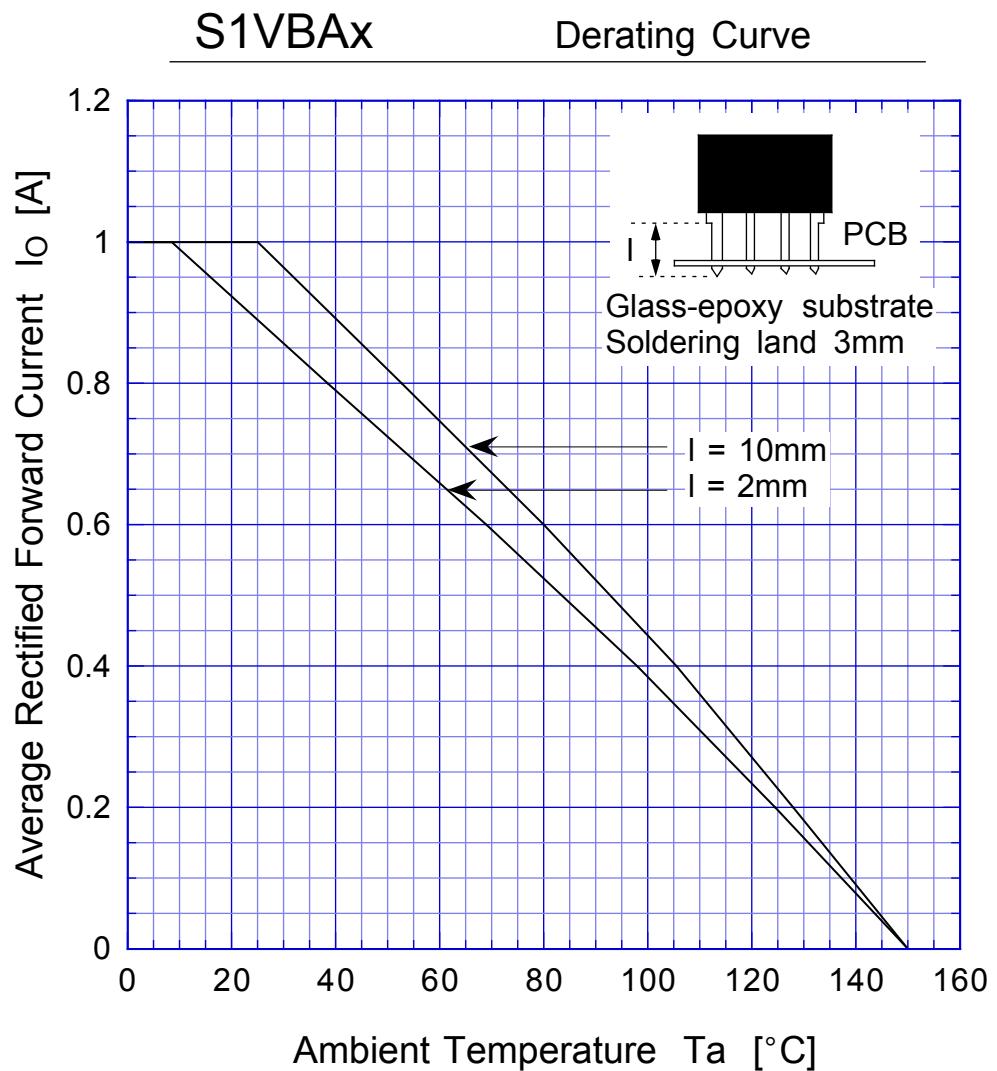
S1VBAx Forward Voltage



S1VBAx Forward Power Dissipation



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



$V_R = V_{RM}$
Sine wave
R-load
Free in air

S1VBAx

Peak Surge Forward Capability

