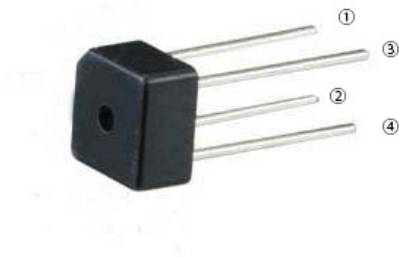


S2VB60  
Bridge Diodes  
600V, 2A

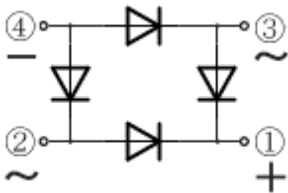
- Feature
- Input/Outout In-line
  - Pb free terminal
  - RoHS:Yes

OUTLINE

Package (House Name): S2VB



Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified : Tl=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 150	°C
Junction temperature	Tj		-40 to 150	°C
Repetitive peak reverse voltage	V <sub>RRM</sub>		600	V
Average forward current	I <sub>F(AV)</sub>	50Hz sine wave, Resistance load, Without heatsink Ta=40°C	2	A
Surge forward current	I <sub>FSM</sub>	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	40	A
Current squared time	I <sup>2</sup> t	1ms≤tp<10ms, Tj=25°C, per diode	6	A <sup>2</sup> s
Mounting torque	TOR	(Recommended torque : 0.3N・m)	0.5	N・m

※ : See the original Specifications

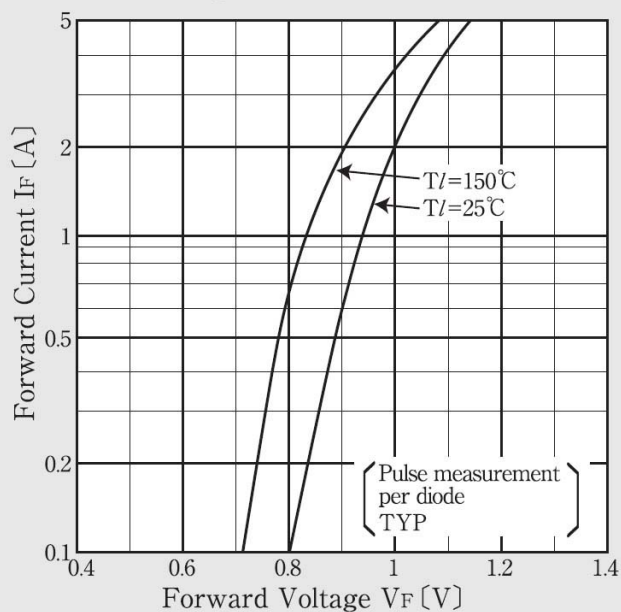
**Electrical Characteristics** (unless otherwise specified : Tl=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	$V_F$	IF=1A, Pulse measurement, per diode			1.05	V
Reverse current	$I_R$	VR=600V, Pulse measurement, per diode			10	$\mu A$
Thermal resistance	Rth(j-l)	Junction to lead, Without heatsink			7	°C/W

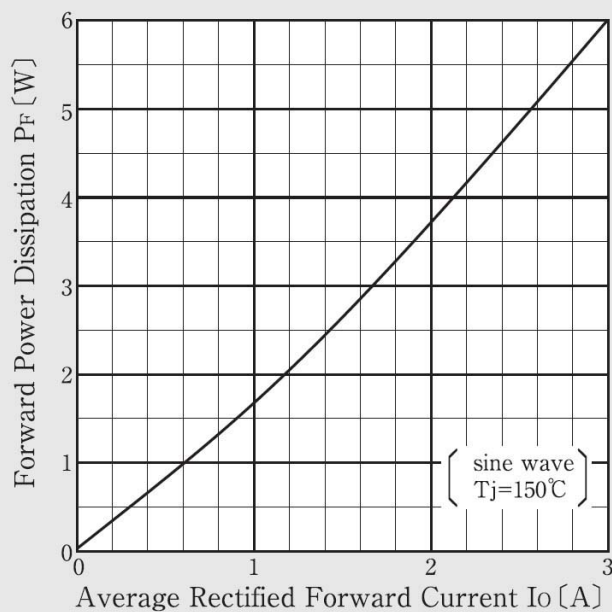
※ :See the original Specifications

## CHARACTERISTIC DIAGRAMS

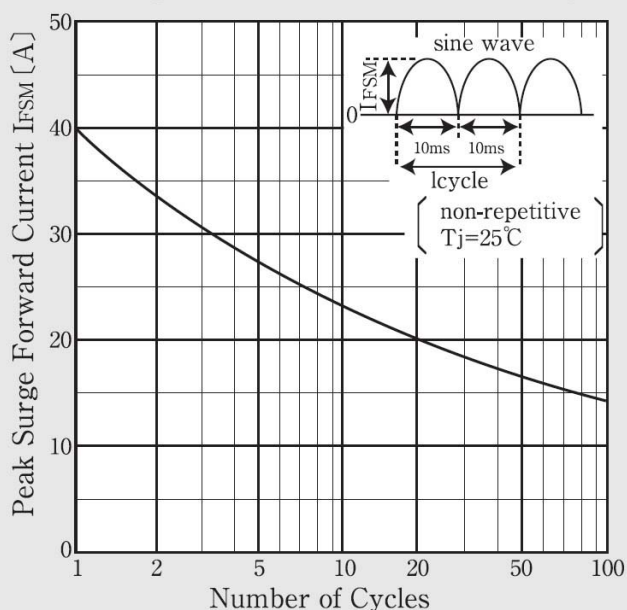
Forward Voltage



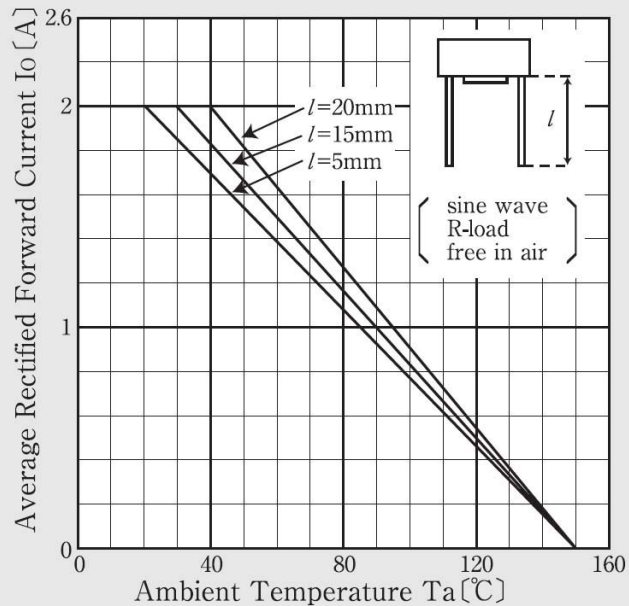
Forward Power Dissipation



Peak Surge Forward Current Capability

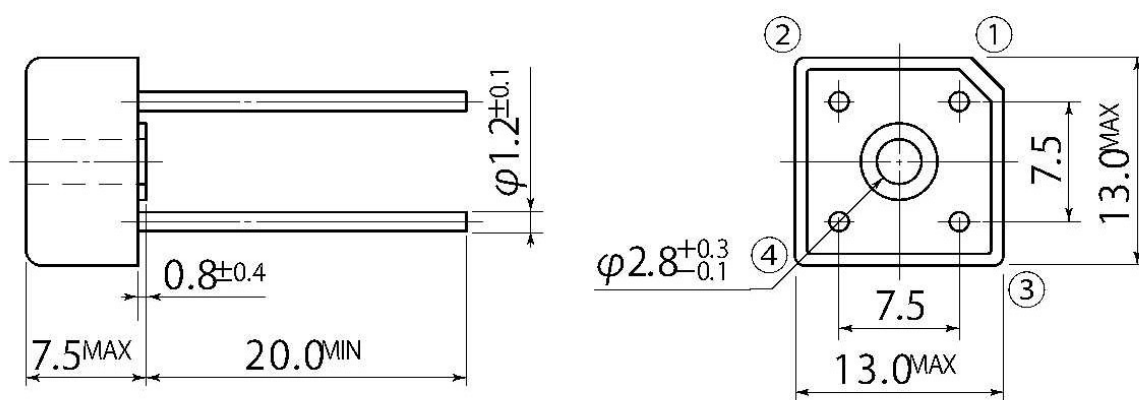


Derating Curve



E3

JEDEC Code	—
JEITA Code	—
House Name	S2VB



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