

S4VB60
Bridge Diodes
600V, 4A

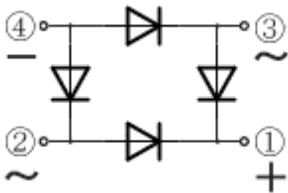
- Feature
- Input/Outout In-line
 - Pb free terminal
 - RoHS:Yes

OUTLINE

Package (House Name): S4VB



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 _{RRM}		600	V
Average forward current	I _{F(AV)}	50Hz sine wave, Resistance load, With heatsink, Ta=40°C, Rth(f-a)=10°C/W	4	A
Average forward current	I _{F(AV)}	50Hz sine wave, Resistance load, Without heatsink, Ta=40°C	2.6	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	80	A
Current squared time	I ² t	1ms≦tp<10ms, Tj=25°C, per diode	32	A ² s
Mounting torque	TOR	(Recommended torque : 0.5N・m)	0.8	N・m

※ :See the original Specifications

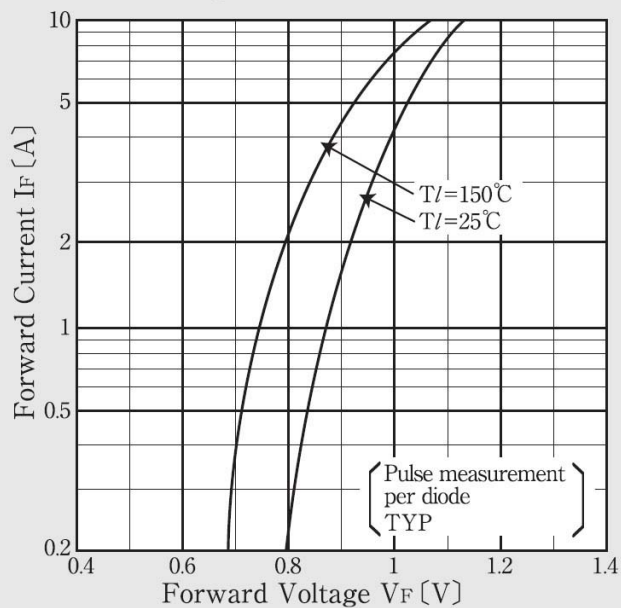
Electrical Characteristics (unless otherwise specified : Tl=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	IF=2A, Pulse measurement, per diode			1.05	V
Reverse current	I_R	VR=600V, Pulse measurement, per diode			10	μA
Thermal resistance	Rth(j-l)	Junction to lead			4.5	°C/W

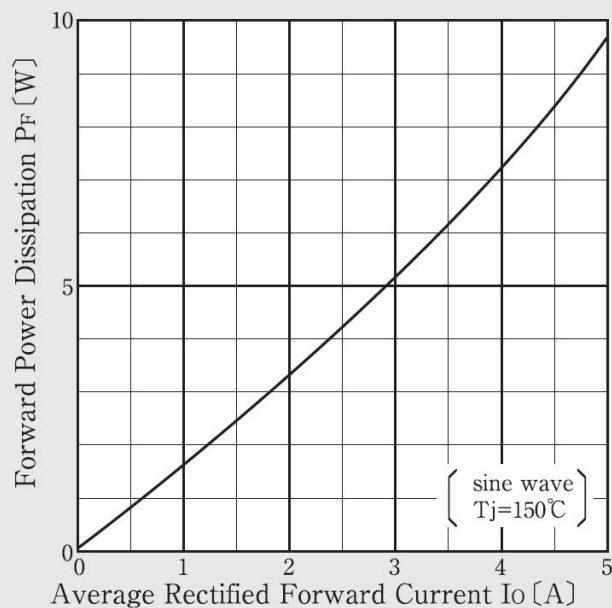
※ :See the original Specifications

CHARACTERISTIC DIAGRAMS

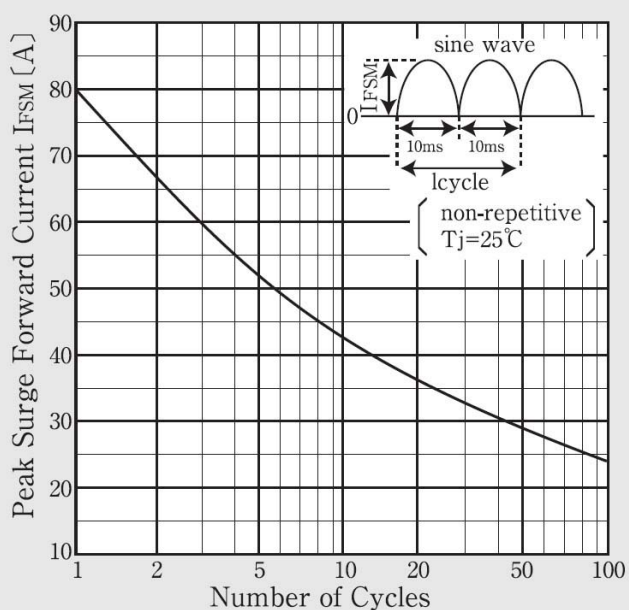
Forward Voltage



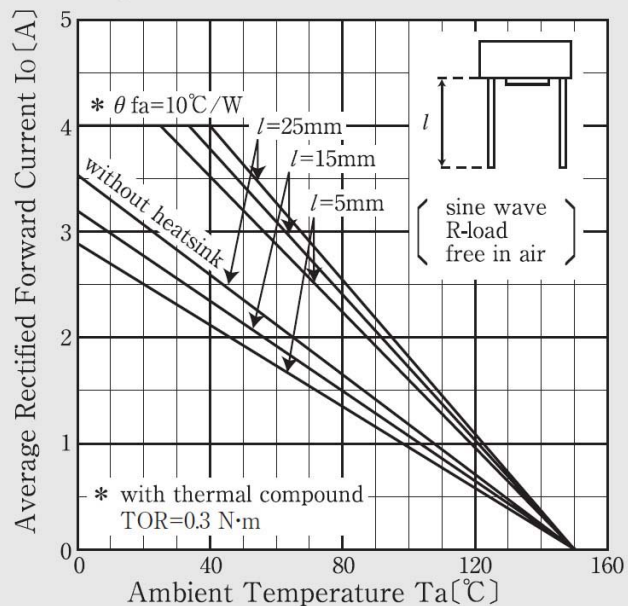
Forward Power Dissipation



Peak Surge Forward Current Capability

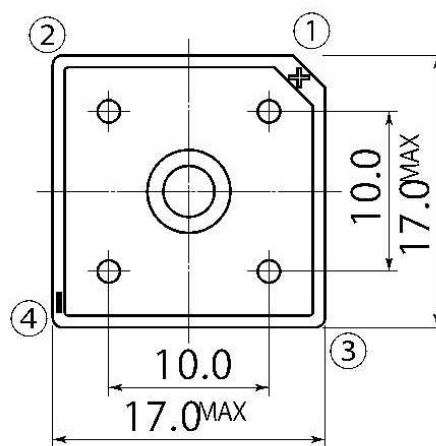
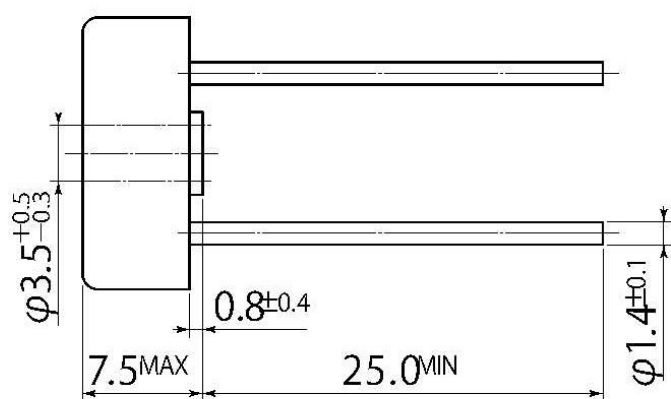


Derating Curve



E4

JEDEC Code	—
JEITA Code	—
House Name	S4VB



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