ShinDengen

S10VB60

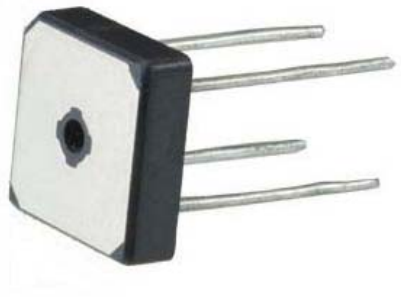
Bridge Diodes
600V, 10A

Feature

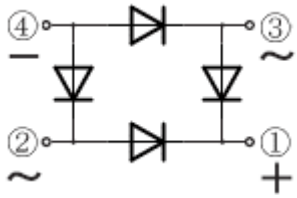
- Input/Outout In-line
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): S10VB



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 150	℃
Junction temperature	Tj		150	℃
Repetitive peak reverse voltage	V_{RRM}		600	V
Average forward current	I_F(AV)	50Hz sine wave, Resistance load, With heatsink, Ta=40℃, Rth(f-a)=2.4℃/W	10	A
Average forward current	I_F(AV)	50Hz sine wave, Resistance load, Without heatsink, Ta=40℃	3.7	A
Surge forward current	I_{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25℃	200	A
Current squared time	I^2t	1ms≦t＜10ms, Tj=25℃, per diode	110	A^2s
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2	kV
Mounting torque	TOR	(Recommended torque : 0.5N･m)	0.8	N･m

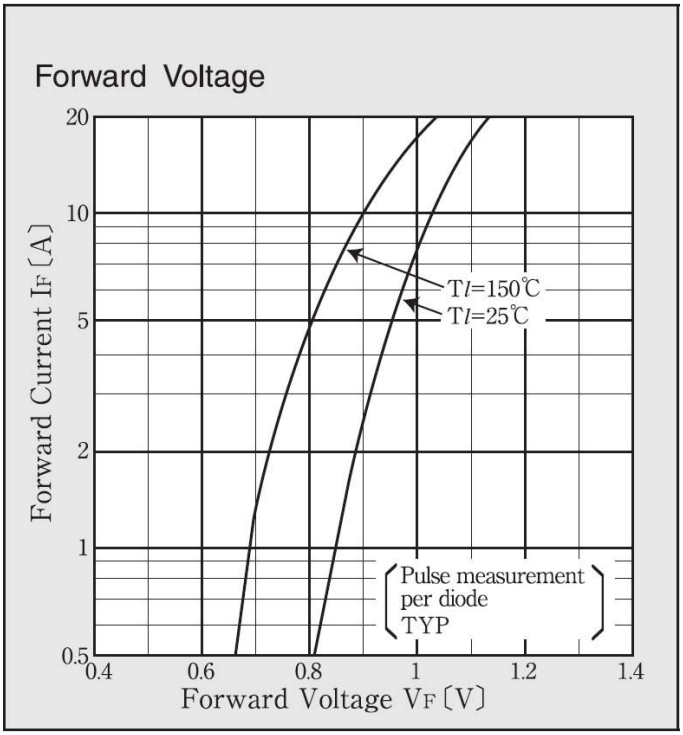
※ ：See the original Specifications

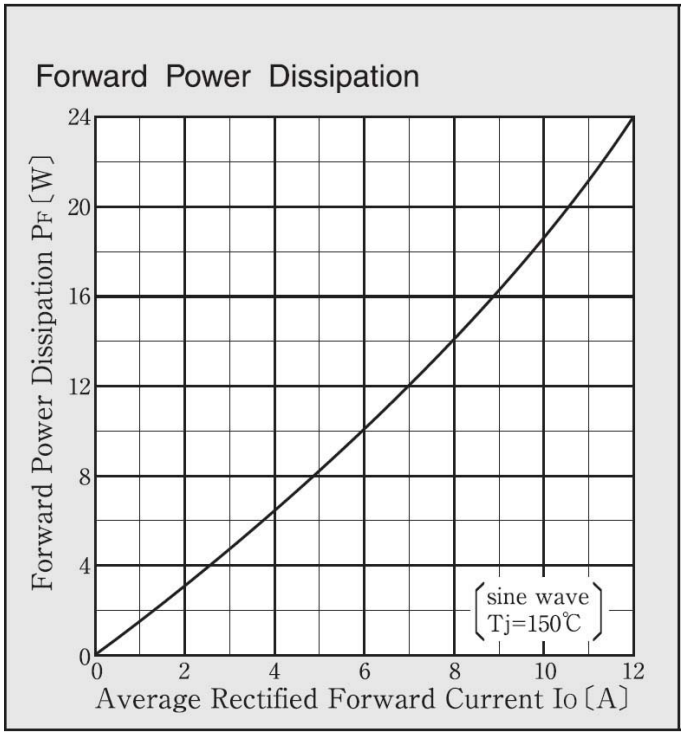
Electrical Characteristics (unless otherwise specified : Tl=25℃)

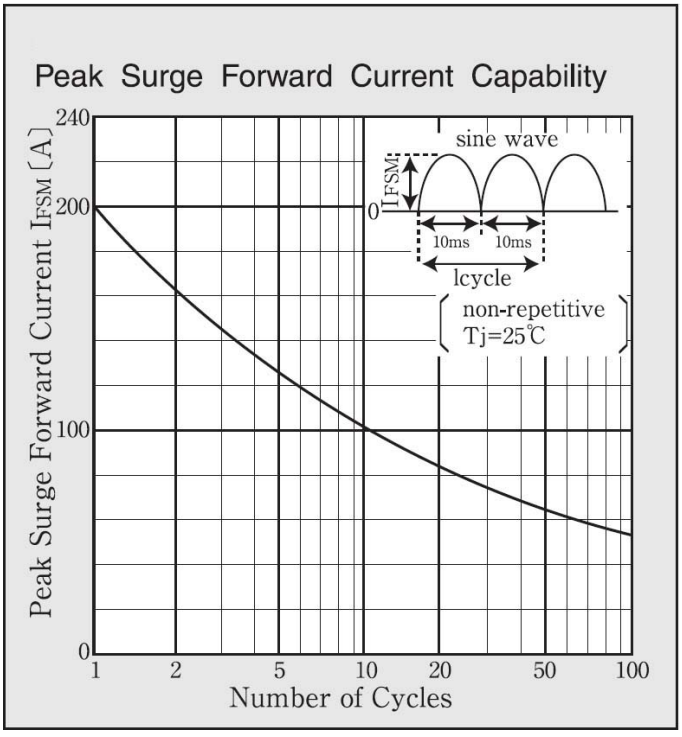
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	IF=5A, Pulse measurement, per diode			1.05	V
Reverse current	I_R	VR=600V, Pulse measurement, per diode			10	μA
Thermal resistance	Rth(j-l)	Junction to lead			2.8	℃/W

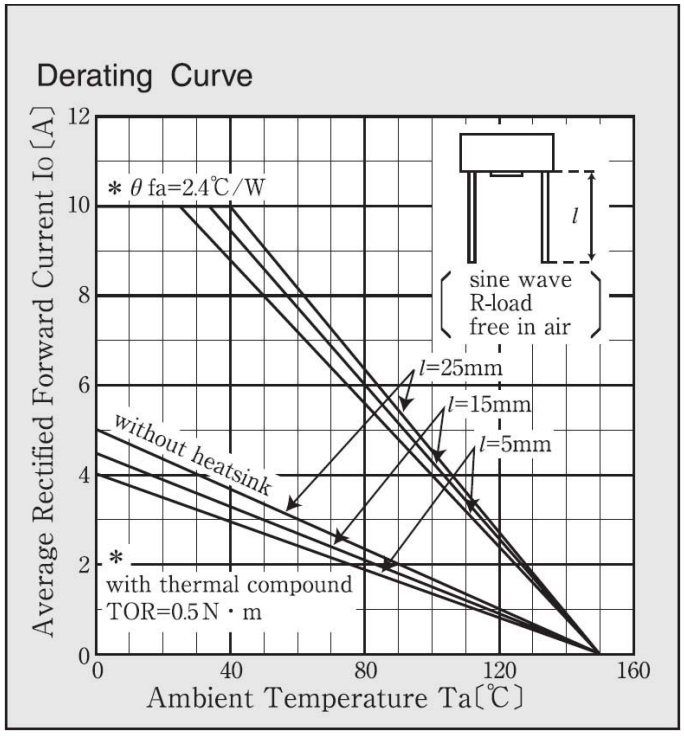
※ :See the original Specifications

CHARACTERISTIC DIAGRAMS









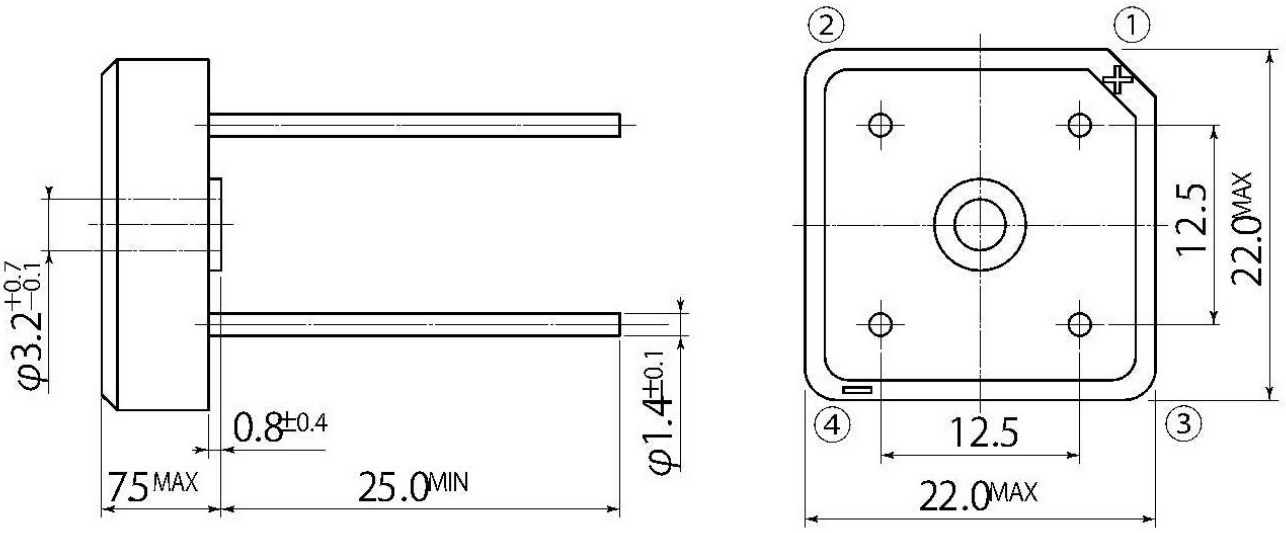
Outline Dimensions

unit:mm

scale: 2/1

E6

JEDEC Code	–
JEITA Code	–
House Name	S10VB



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