ShinDengen

D2SB60

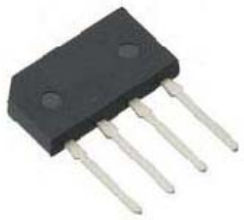
Bridge Diodes
600V, 1.5A

Feature

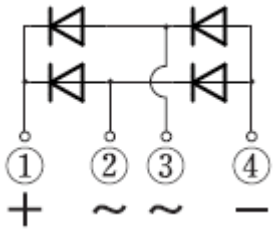
- Compact SIP
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): 2S



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 150	℃
Junction temperature	Tj		-40 to 150	℃
Repetitive peak reverse voltage	V_{RRM}		600	V
Average forward current	I_F(AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25℃ ※	1.5	A
Surge forward current	I_{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25℃	80	A
Current squared time	I^2t	2ms≦tp＜10ms, Tj=25℃, per diode	32	A^2s

※ ：See the original Specifications

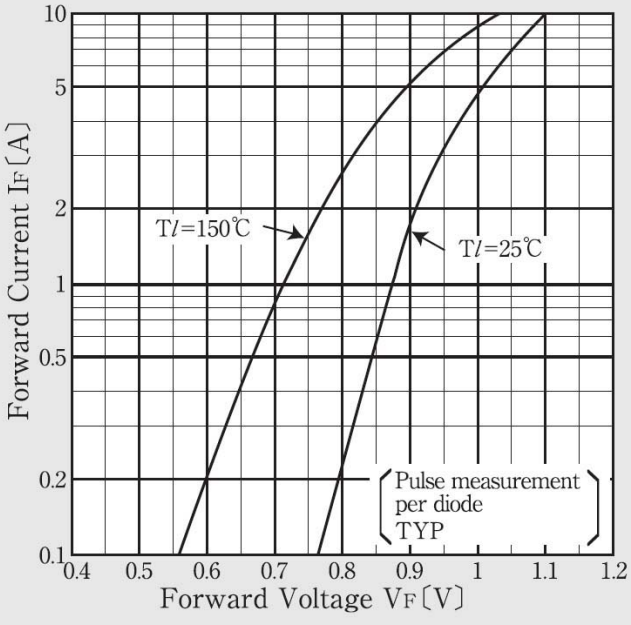
Electrical Characteristics (unless otherwise specified : Tl=25℃)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	IF=0.75A, 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, On glass-epoxy substrate ※			10	℃/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate ※			47	℃/W

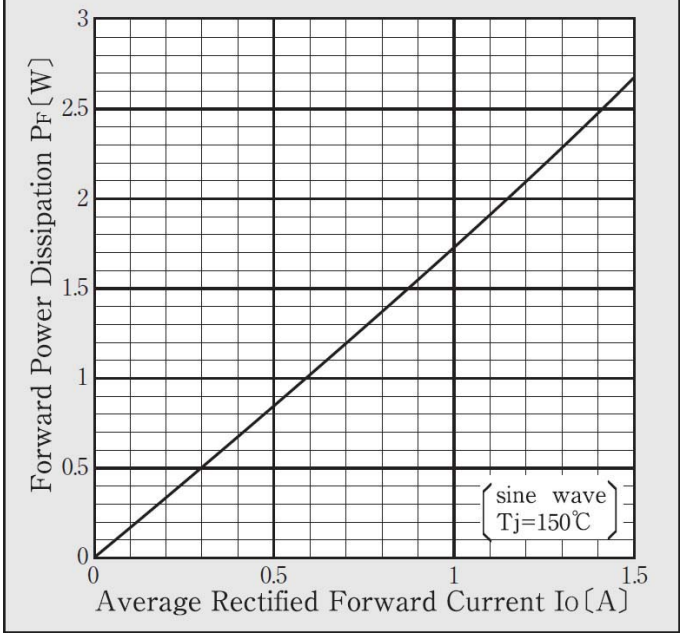
※ :See the original Specifications

CHARACTERISTIC DIAGRAMS

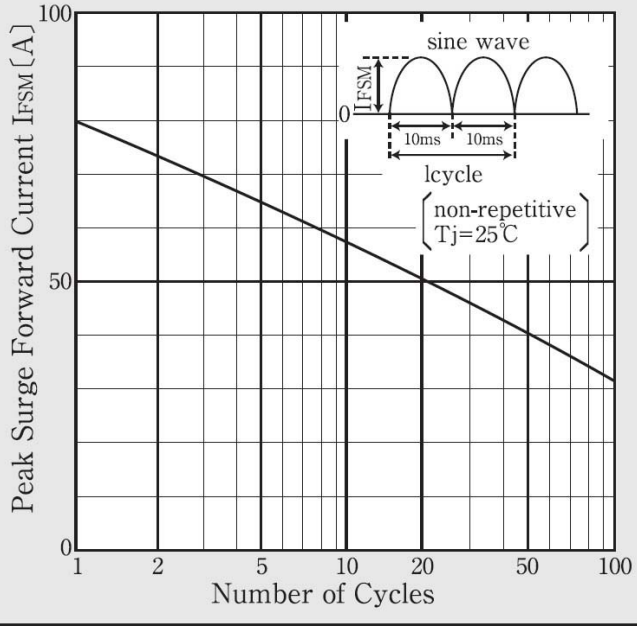
Forward Voltage



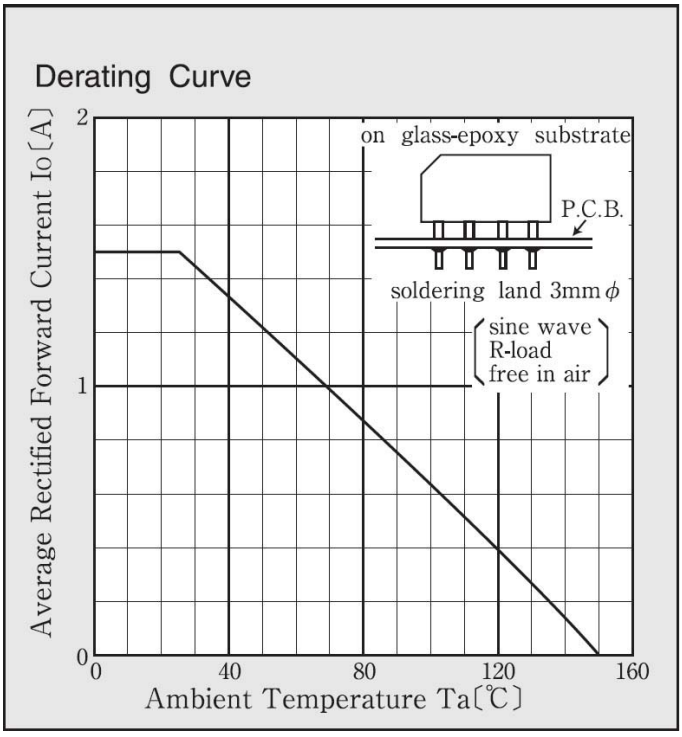
Forward Power Dissipation



Peak Surge Forward Current Capability



Derating Curve

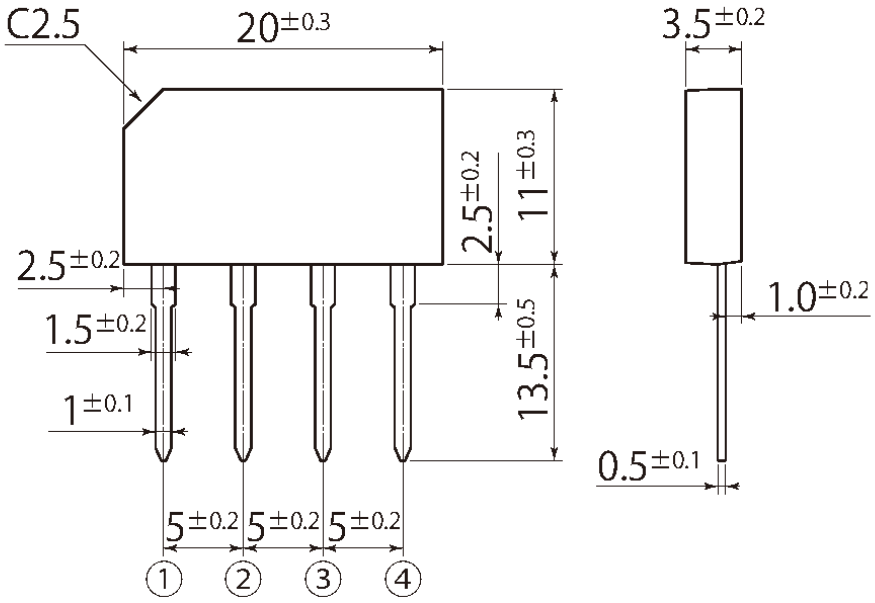


Outline Dimensions

unit:mm

D2

JEDEC Code	–
JEITA Code	–
House Name	2S



Notes

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   【Special applications】
   Transportation equipment (vehicles, ships, etc.), trunk-line communication equipment, traffic signal control systems, anti-disaster/crime systems, safety equipment, medical equipment, etc.
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