

D2SB60

Bridge Diodes

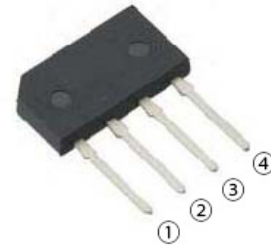
600V, 1.5A

Feature

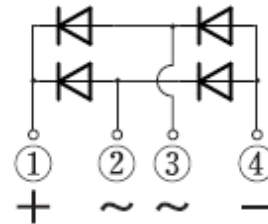
- Compact SIP
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): 2S



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperature	T _{stg}		-40 to 150	°C
Junction temperature	T _j		-40 to 150	°C
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°C ※	1.5	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	2ms ≤ tp < 10ms, Tj=25°C, per diode	32	A ² s

※ : See the original Specifications

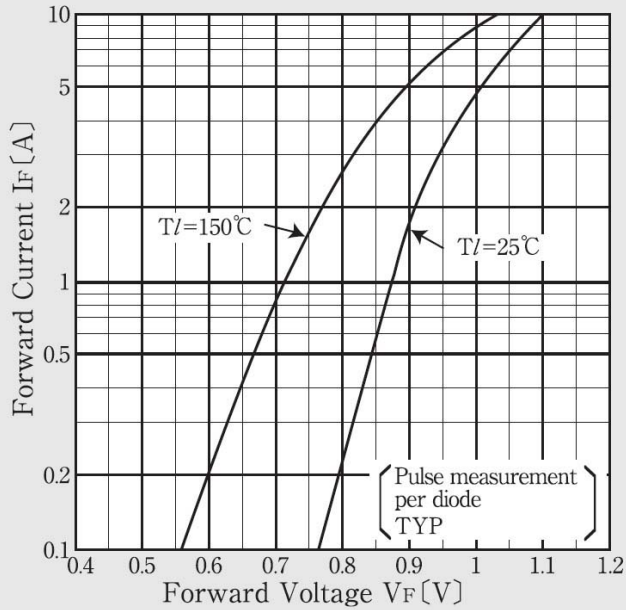
Electrical Characteristics (unless otherwise specified : Tl=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	IF=0.75A, Pulse measurement, per diode			1.05	V
Reverse current	I_R	VR=600V, Pulse measurement, per diode			10	μ A
Thermal resistance	Rth(j-l)	Junction to lead, On glass-epoxy substrate ※			10	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate ※			47	°C/W

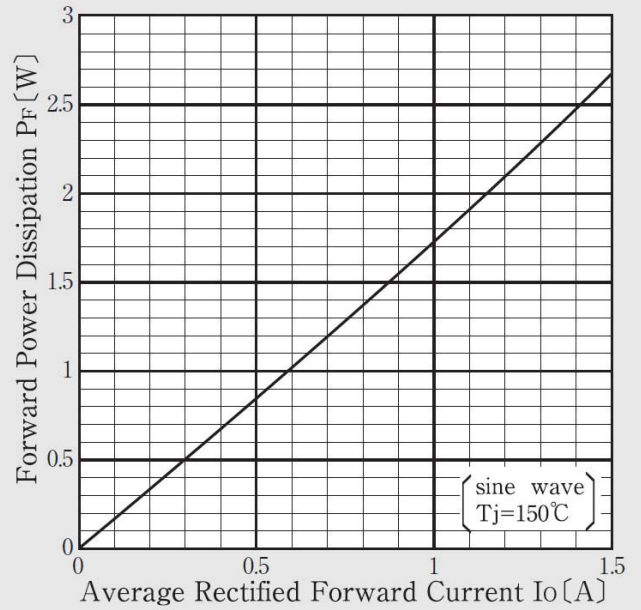
※ :See the original Specifications

CHARACTERISTIC DIAGRAMS

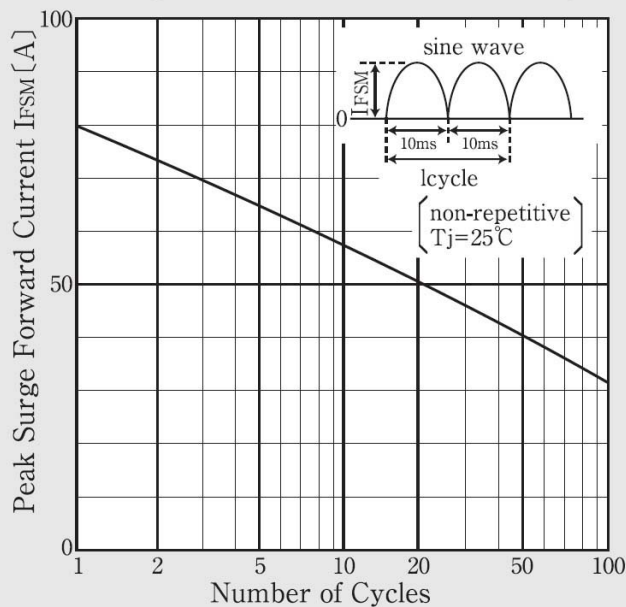
Forward Voltage



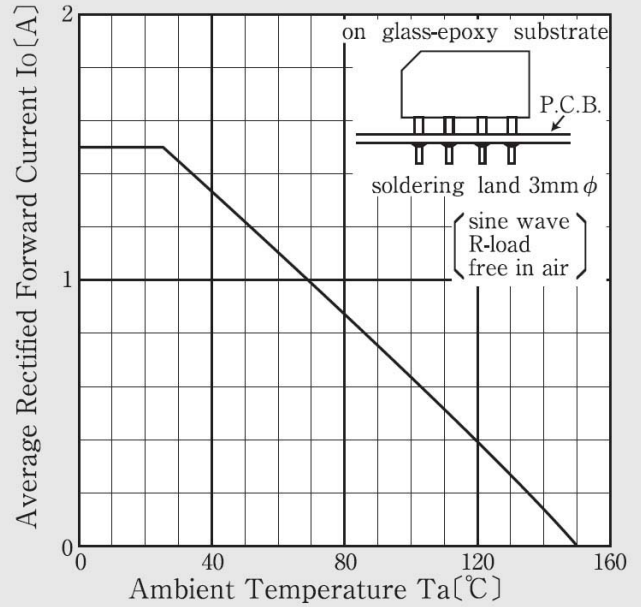
Forward Power Dissipation



Peak Surge Forward Current Capability



Derating Curve



Notes

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