

D4SB60L

Bridge Diodes

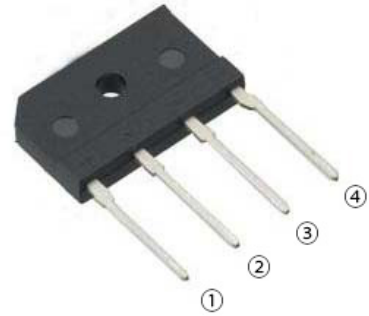
600V, 4A

Feature

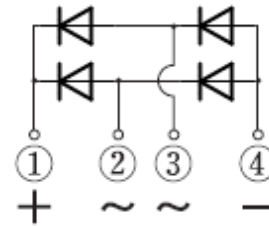
- Compact SIP
- UL E142422
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): 3S



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperature	Tstg		-40 to 150	°C
Junction temperature	Tj		150	°C
Repetitive peak reverse voltage	V _{RRM}		600	V
Average forward current	I _{F(AV)}	50Hz sine wave, Resistance load, With heatsink, Tc=111°C	4	A
Average forward current	I _{F(AV)}	50Hz sine wave, Resistance load, Without heatsink, Ta=25°C	2.5	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	150	A
Current squared time	I ² t	2ms ≤ t < 10ms, Tj=25°C, per diode	80	A ² s
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2	kV
Mounting torque	TOR	(Recommended torque : 0.5N·m)	0.8	N·m

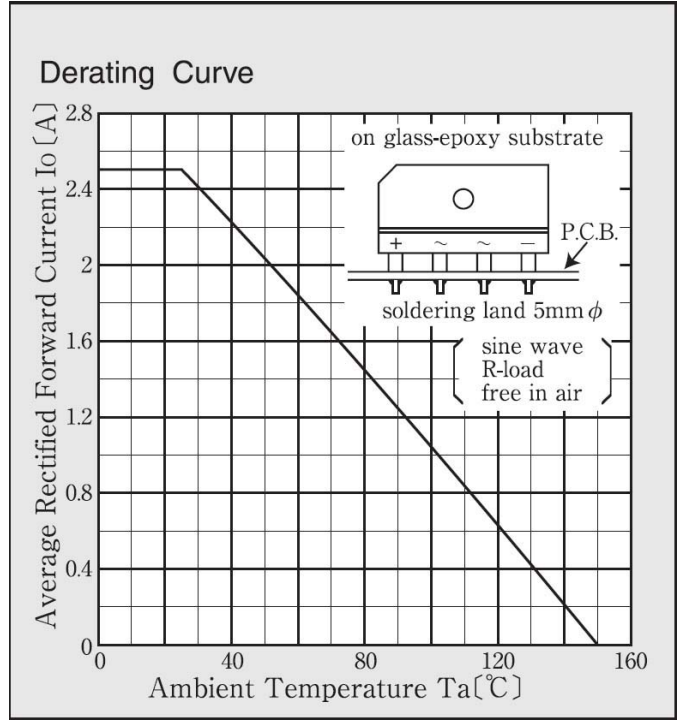
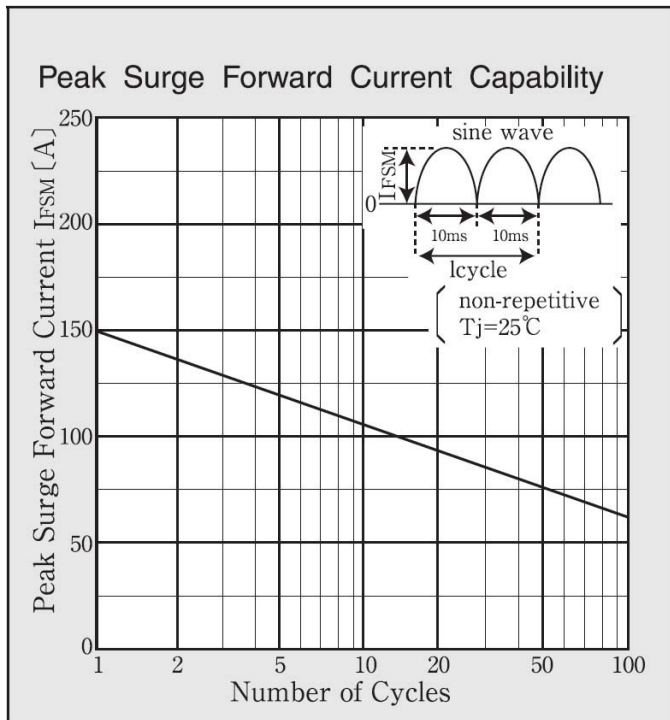
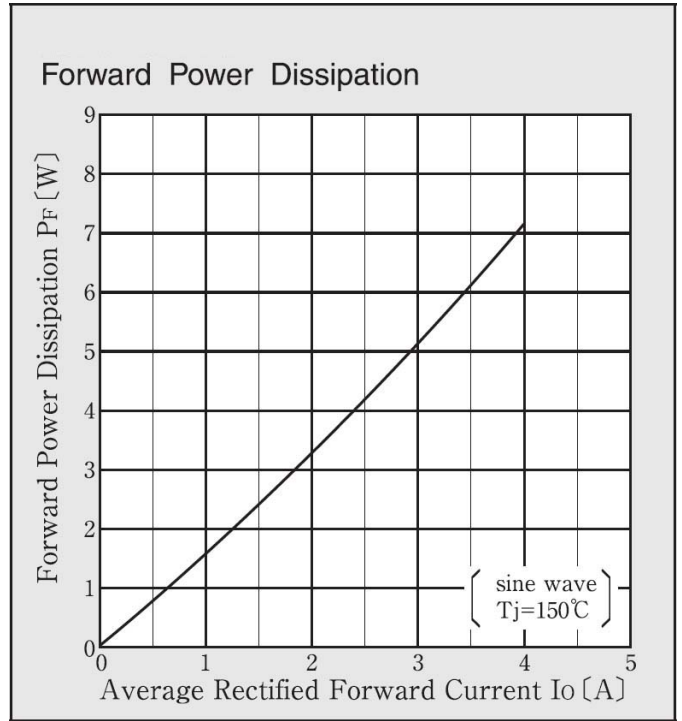
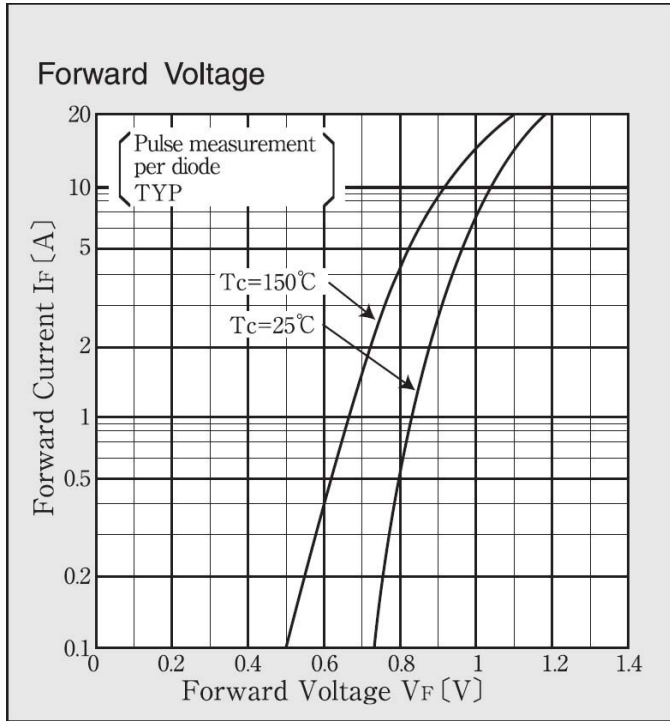
※ : See the original Specifications

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

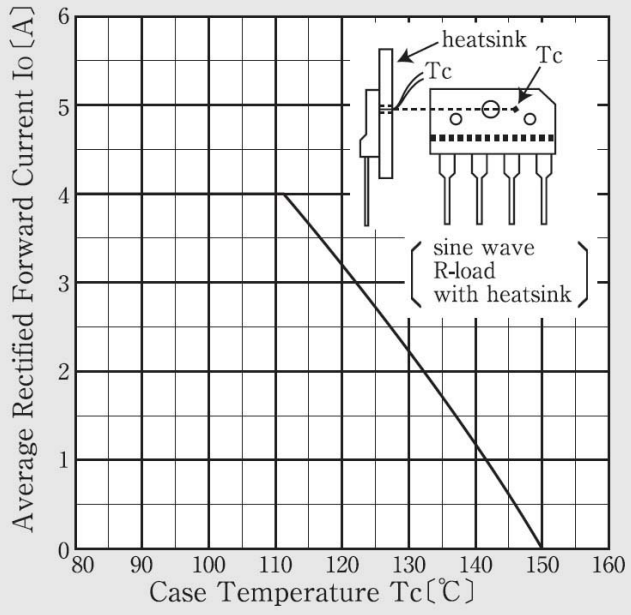
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	IF=2A, Pulse measurement, per diode			0.95	V
Reverse current	I_R	VR=600V, Pulse measurement, per diode			10	μ A
Reverse recovery time	trr	IF=0.1A, IR=0.1A			10000	ns
Thermal resistance	Rth(j-c)	Junction to case			5.5	°C/W
Thermal resistance	Rth(j-l)	Junction to lead			6	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient			30	°C/W

※ :See the original Specifications

CHARACTERISTIC DIAGRAMS

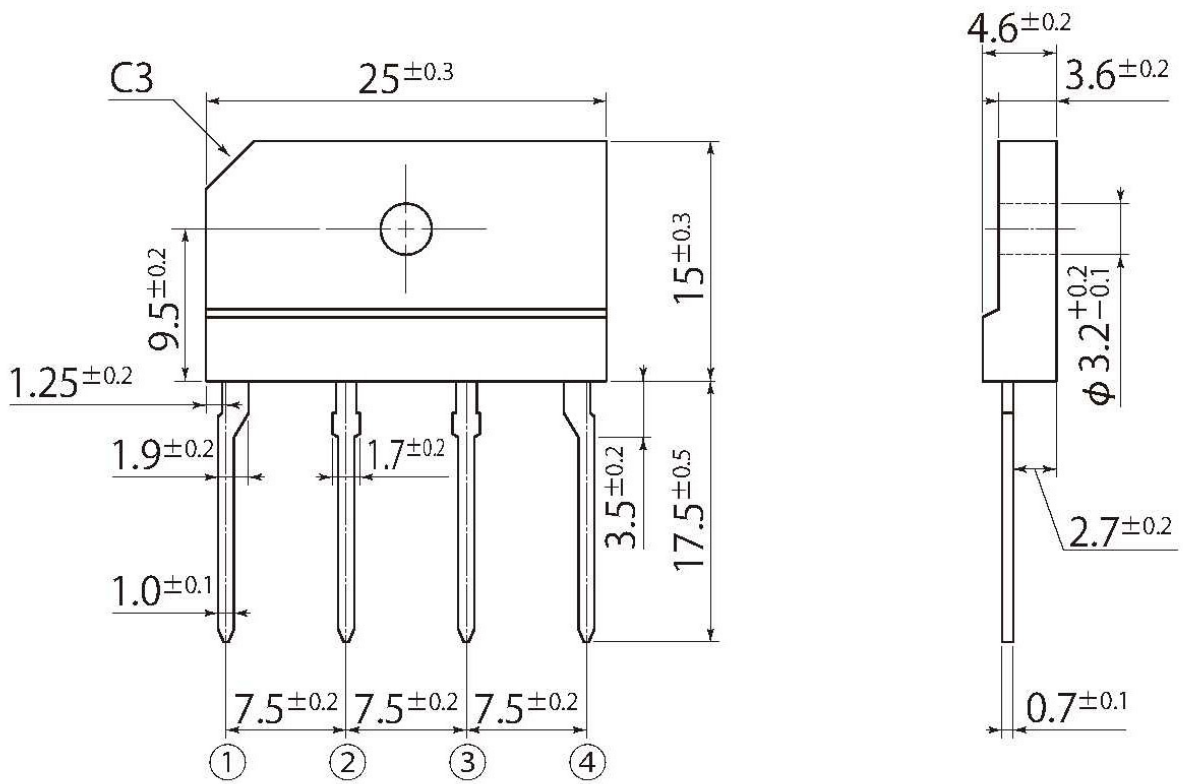


Derating Curve



D3

JEDEC Code	—
JEITA Code	—
House Name	3S



Notes

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