

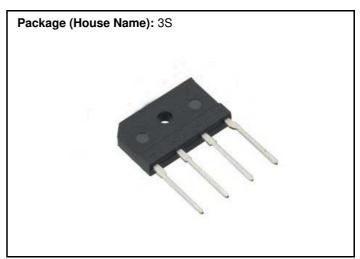
D4SB60L

Bridge Diodes 600V, 4A

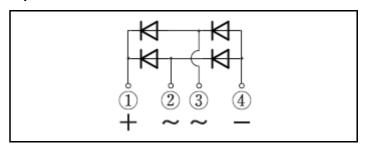
Feature

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

OUTLINE



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	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	А
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Without heatsink, Ta=25°C	2.5	А
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	150	А
Current squared time	l²t	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

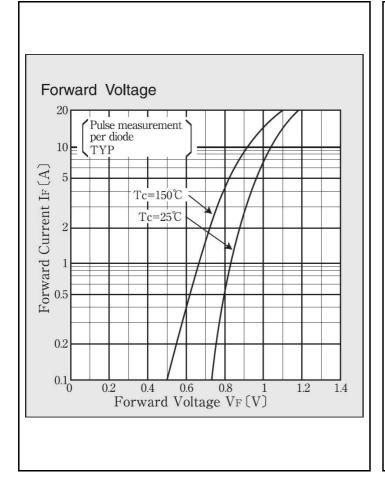
^{* :}See the original Specifications

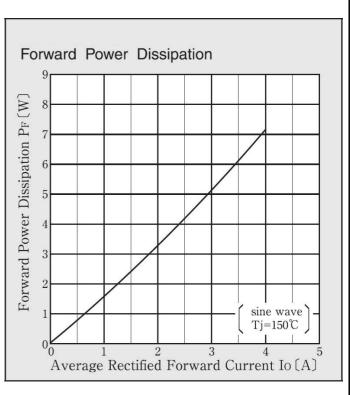
Electrical Characteristics (unless otherwise specified : Tc=25°C)

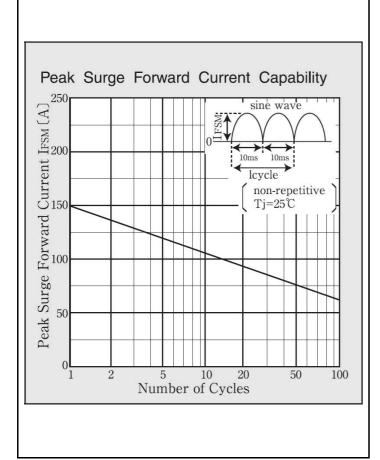
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	O.I.I.
Forward voltage	V _F	IF=2A, Pulse measurement, per diode			0.95	V
Reverse current	I _R	VR=600V, Pulse measurement, per diode			10	μΑ
Reverse recovery time	trr	IF=0.1A, IR=0.1A			10	ns
Thermal resistance	Rth(j-c)	Junction to case			5.5	°C/W
Thermal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

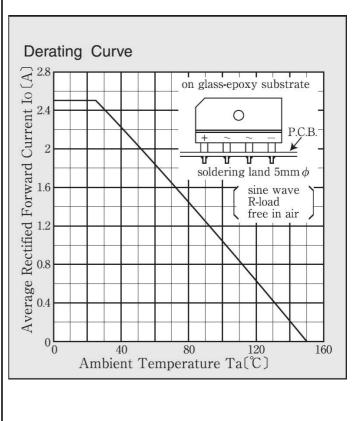
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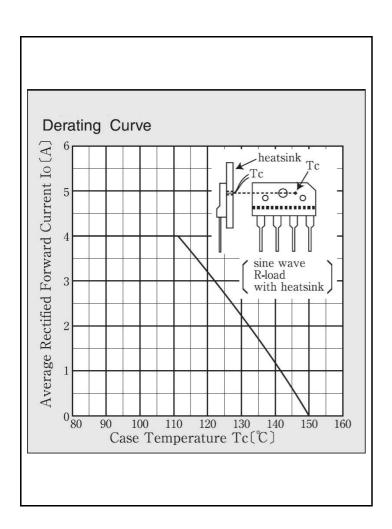
CHARACTERISTIC DIAGRAMS









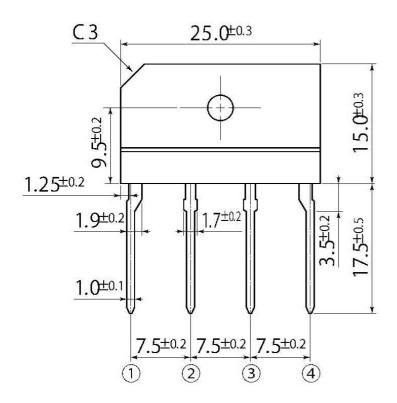


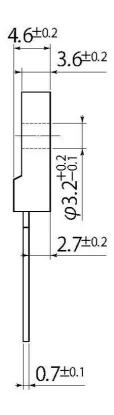
unit:mm

scale: 2/1

D3

JEDEC Code	I
JEITA Code	_
House Name	3S





Notes

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(Special applications)

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