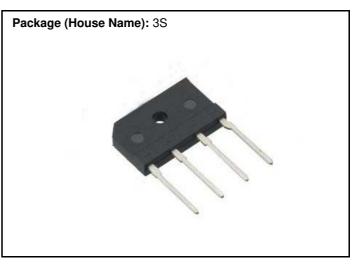
D10XB80

Bridge Diodes 800V, 10A

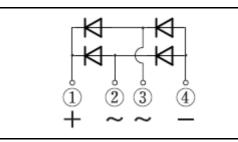
Feature

- 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		-40 to 150	°C
Repetitive peak reverse voltage	V _{RRM}		800	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, With heatsink, Tc=100°C	10	А
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C *	2.7	А
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	120	A
Current squared time	ľt	1ms≦tp<10ms, Tj=25°C, per diode	60	A ² s
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2.5	kV
Mounting torque	TOR	(Recommended torque : 0.5N·m)	0.8	N∙m

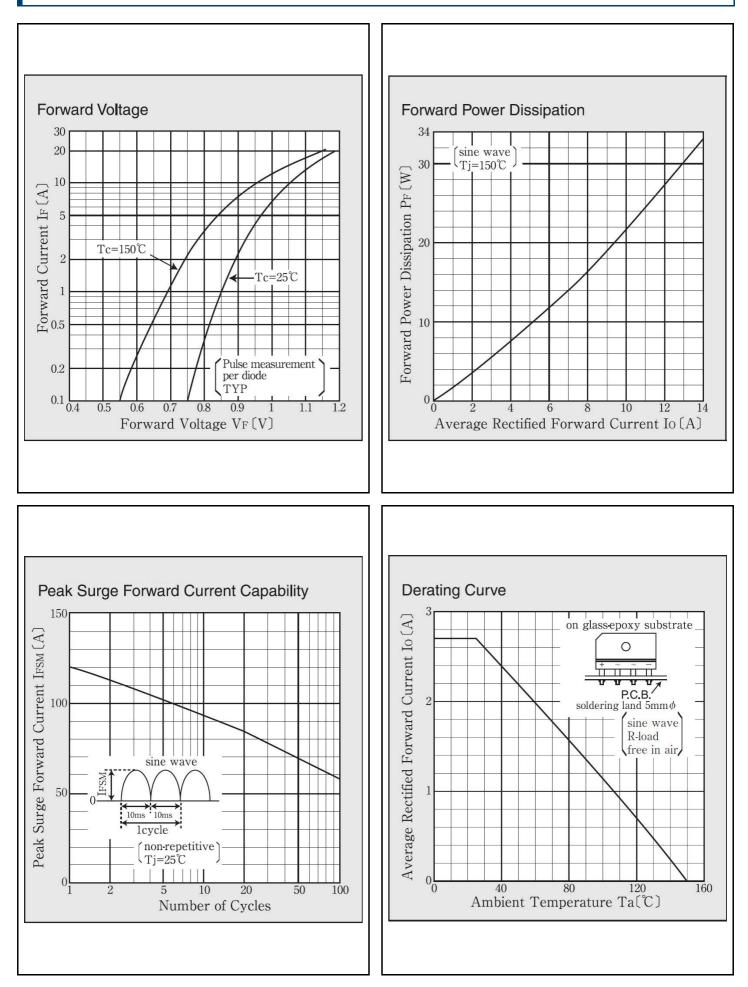
* : See the original Specifications

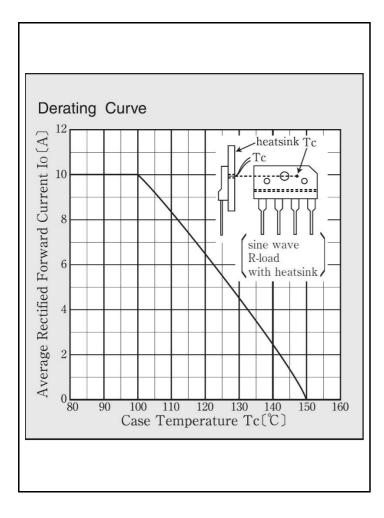
	Electrical Characteristics	(unless otherwise specified : Tc=25°C)
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Item Symbol	Symbol	Conditions	Ratings			Unit
	Conditions	MIN	ТҮР	MAX	onit	
Forward voltage	V _F	IF=5.0A, Pulse measurement, per diode			1.1	V
Reverse current	I _R	VR=800V, Pulse measurement, per diode			10	μA
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			2.3	°C/W
Thermal resistance	Rth(j-l)	Junction to lead, On glass-epoxy substrate *			6	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate *			26	°C/W

*:See the original Specifications

CHARACTERISTIC DIAGRAMS

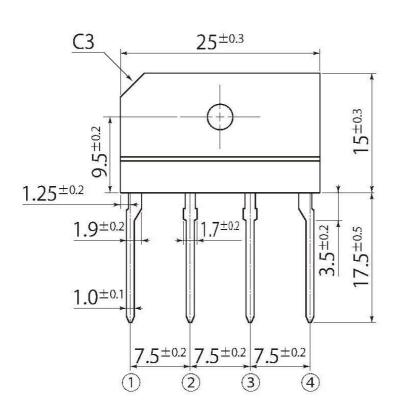


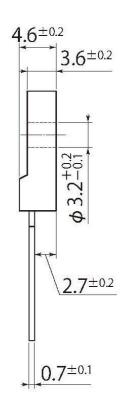


unit:mm

D3

JEDEC Code	_
JEITA Code	-
House Name	3S





Notes

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[Special applications]

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[Specific applications]

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