

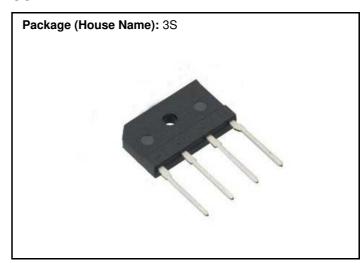
D4SBS4

Bridge Diodes 40V, 4A

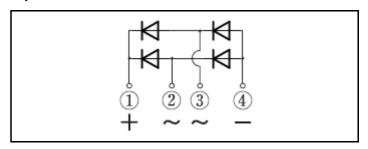
Feature

- Compact SIP
- SBD Bridge
- · High Recovery Speed
- Low V_F
- 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		-55 to 150	°C
Junction temperature	Tj		150	°C
Repetitive peak reverse voltage	V_{RRM}		40	٧
Non-repetitive peak reverse voltage	V _{RSM}	Pulse width 0.5ms, Duty 1/40	45	٧
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, With heatsink, Tc=116°C	4	А
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Without heatsink, Ta=33°C	2.3	А
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	60	А
Repetitive peak surge reverse power	P _{RRSM}	Pulse width 10μs, per diode, Tj=25°C	160	W
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2	kV
Mounting torque	TOR	(Recommended torque : 0.5N·m)	0.8	N∙m

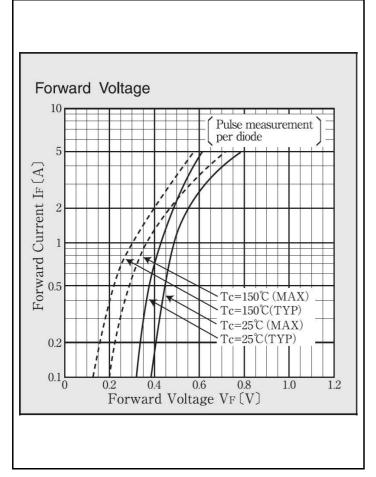
^{* :}See the original Specifications

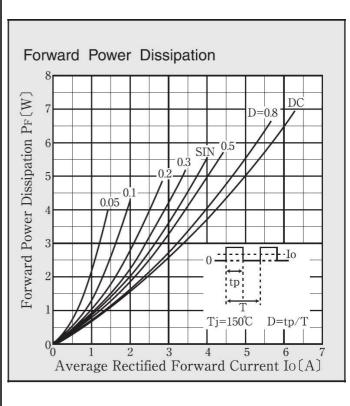
Electrical Characteristics (unless otherwise specified : Tc=25°C)

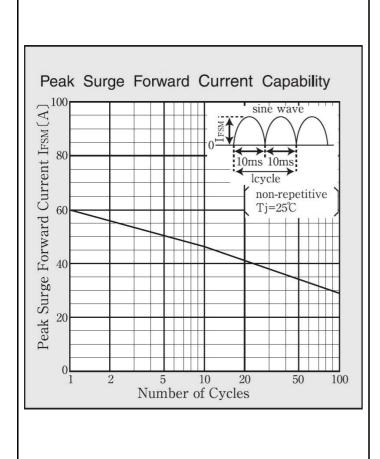
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	Onne
Forward voltage	V _F	IF=2A, Pulse measurement, per diode			0.55	V
Reverse current	I _R	VR=40V, Pulse measurement, per diode			2000	μΑ
Total capacitance	Ct	f=1MHz, VR=10V, per diode		95		pF
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			5.5	°C/W
Thermal resistance	Rth(j-l)	Junction to lead ,Without heatsink			6	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, Without heatsink			40	°C/W

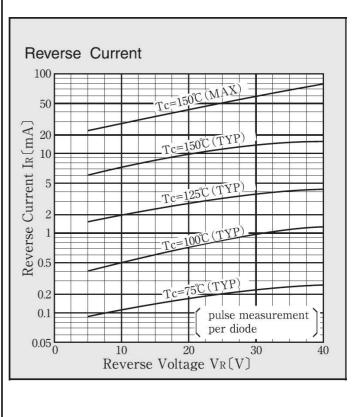
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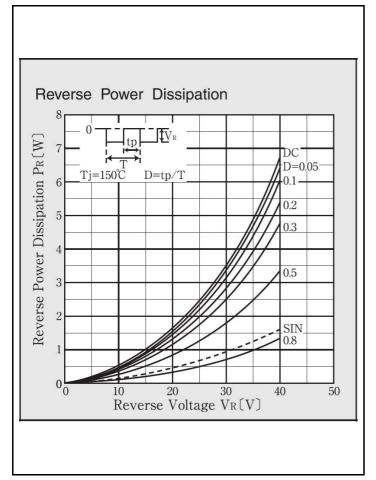
CHARACTERISTIC DIAGRAMS

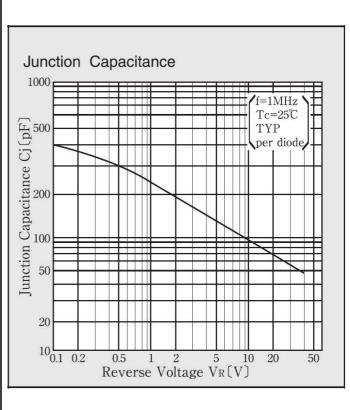


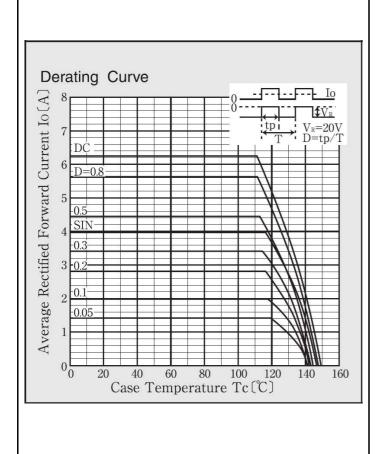


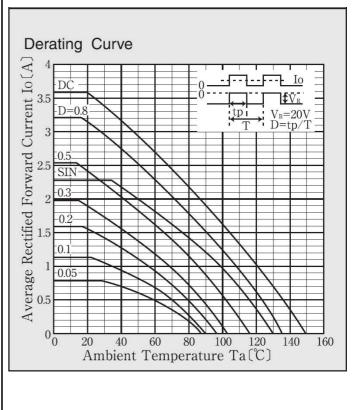


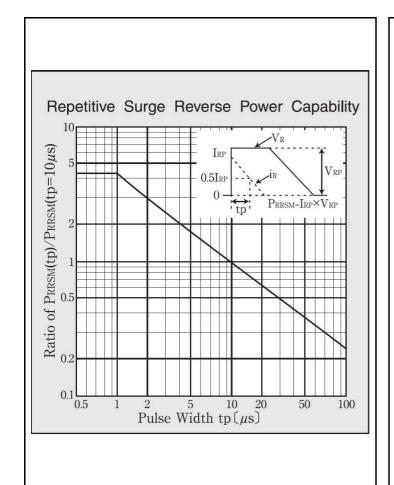


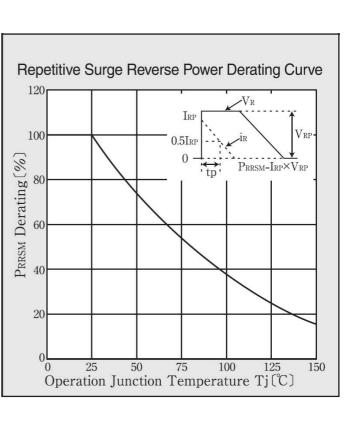








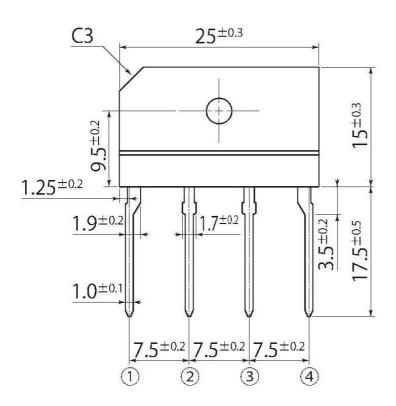


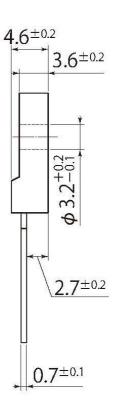


unit:mm

D3

JEDEC Code	_
JEITA Code	_
House Name	3S





Notes

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[Special applications]

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