

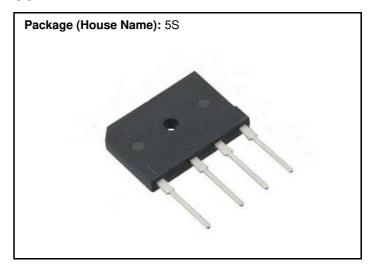
D30XBN20

Bridge Diodes 200V, 30A

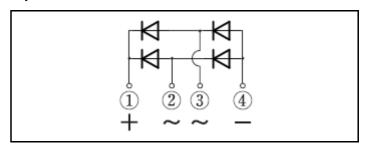
Feature

- Compact SIP
- SBD Bridge
- · High Recovery Speed
- Low V_F
- Low I_R
- · 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}		200	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, With heatsink, Tc=91°C	30	А
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Without heatsink, Ta=26°C	3.1	А
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	350	А
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2.5	kV
Mounting torque	TOR	(Recommended torque : 0.5N·m)	0.8	N∙m

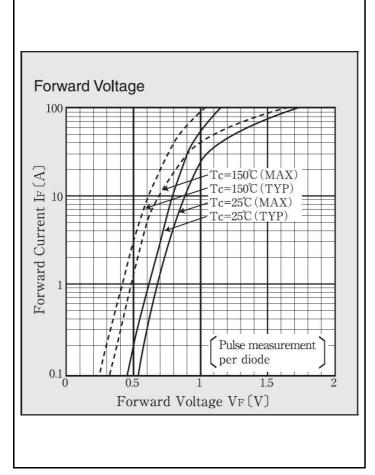
^{* :}See the original Specifications

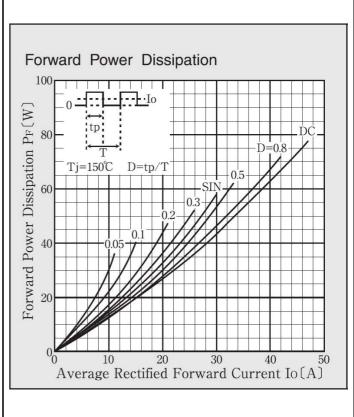
Electrical Characteristics (unless otherwise specified : Tc=25°C)

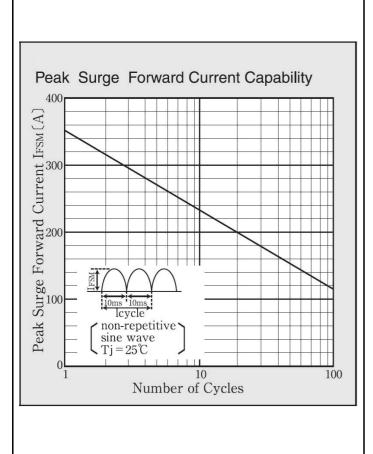
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	Onit
Forward voltage	V _F	IF=15A, Pulse measurement, per diode			0.9	V
Reverse current	I _R	VR=200V, Pulse measurement, per diode			10	μΑ
Total capacitance	Ct	f=1MHz, VR=10V, per diode		360		pF
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			1	°C/W
Thermal resistance	Rth(j-l)	Junction to lead			5	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient			25	°C/W

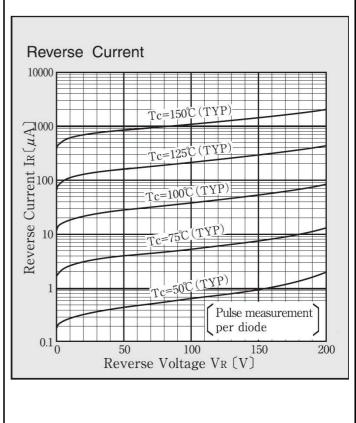
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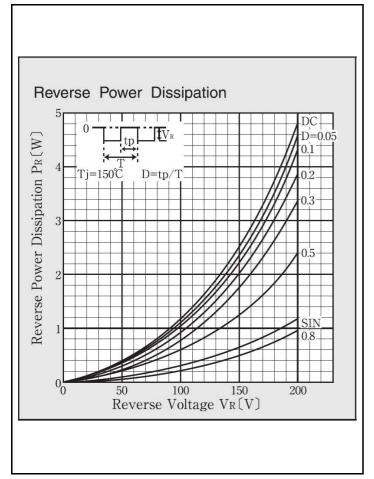
CHARACTERISTIC DIAGRAMS

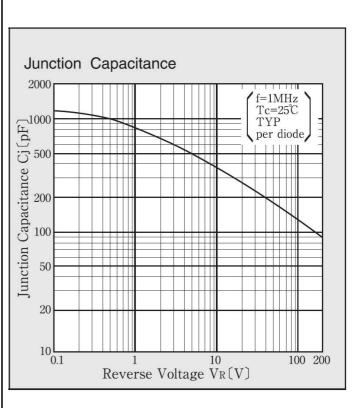


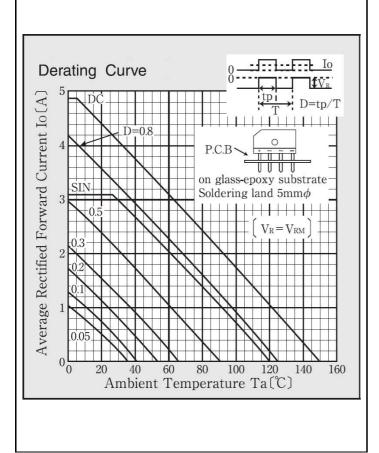


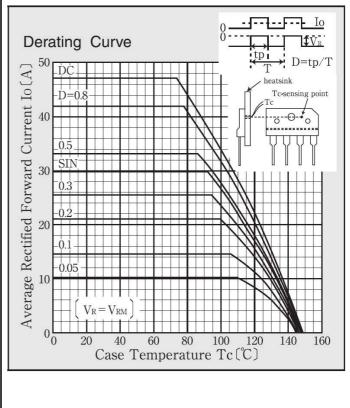








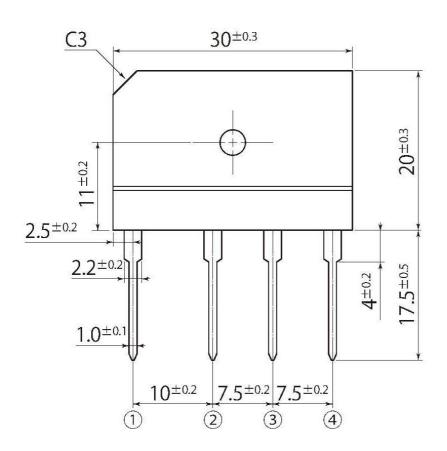


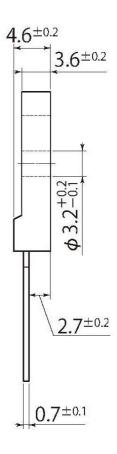


unit:mm

D4

JEDEC Code	_
JEITA Code	_
House Name	5S





Notes

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