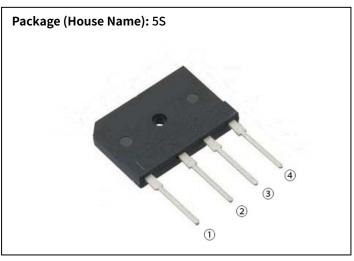
D30XBN20 Bridge Diodes 200V, 30A

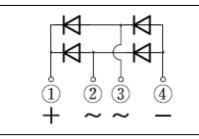
Feature

- Compact SIP
- SBD Bridge
- High Recovery Speed
- $\boldsymbol{\cdot} \operatorname{Low} V_{F}$
- Low I_R
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



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

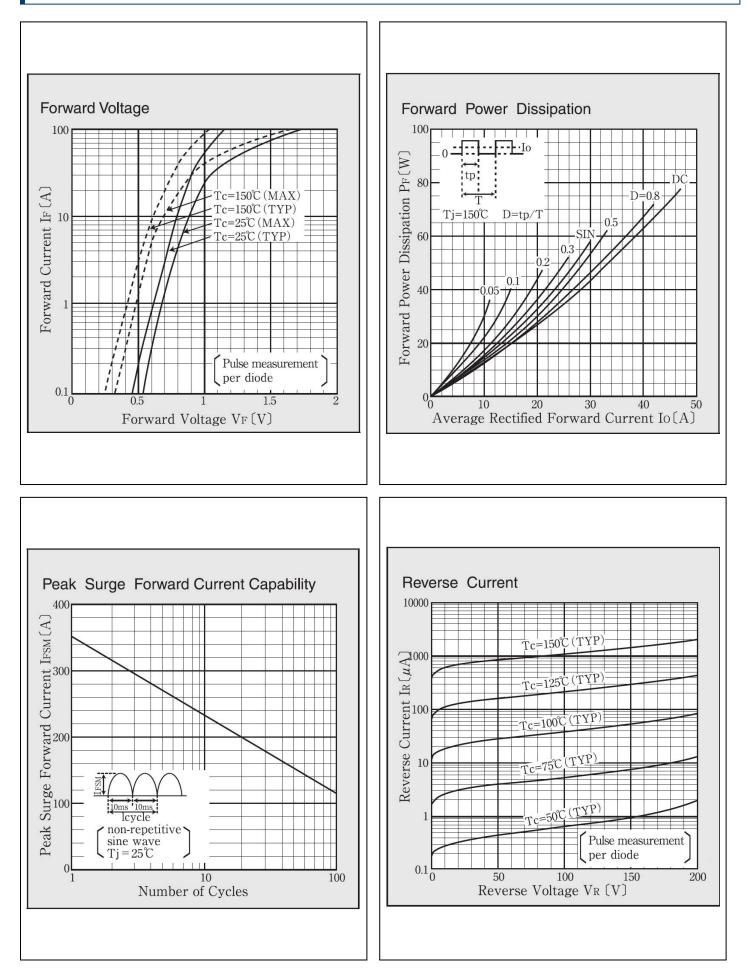
Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Тj		150	°C
Repetitive peak reverse voltage	V _{RRM}		200	v
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, With heatsink, Tc=91°C	30	A
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Without heatsink, Ta=26°C	3.1	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	350	A
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2.5	kV
Mounting torque	TOR	(Recommended torque : 0.5N·m)	0.8	N∙m

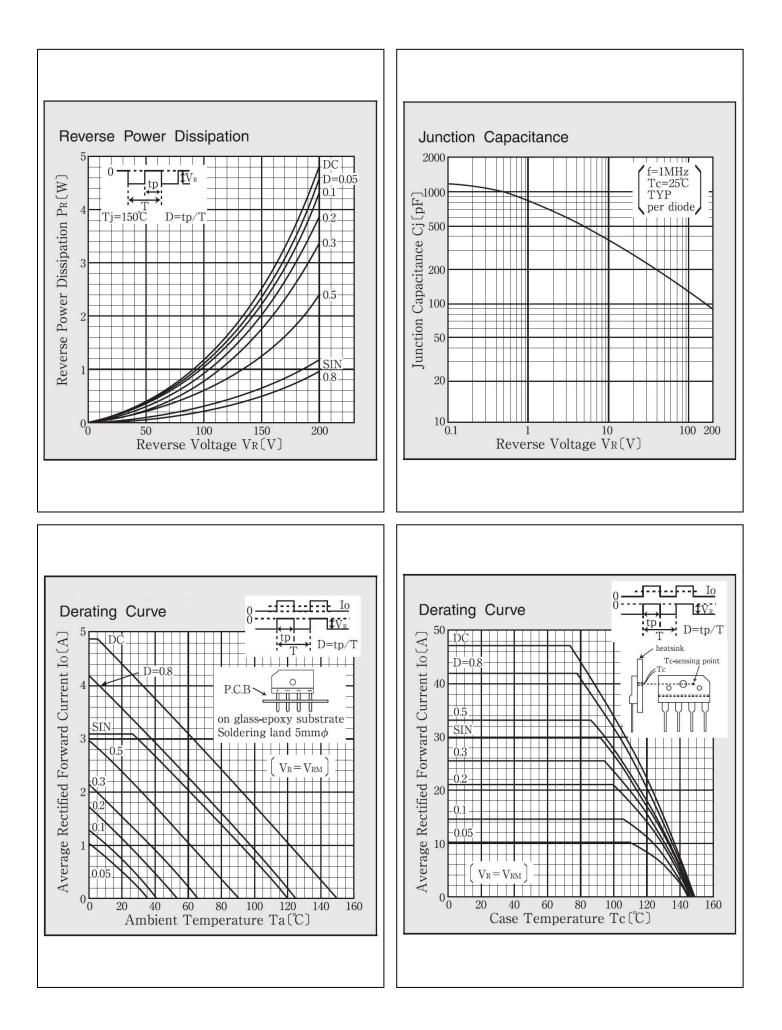
% : See the original Specifications

Electrical Characteristics (unless otherwise specified : Tc=25°C)									
Item	Complete	Conditions		Ratings					
	Symbol		MIN	ТҮР	МАХ	Unit			
Forward voltage	V _F	IF=15A, Pulse measurement, per diode			0.9	V			
Reverse current	I _R	VR=200V, Pulse measurement, per diode			10	μA			
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			

* : See the original Specifications

CHARACTERISTIC DIAGRAMS

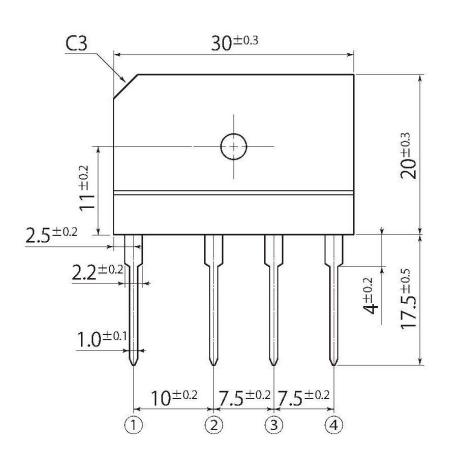


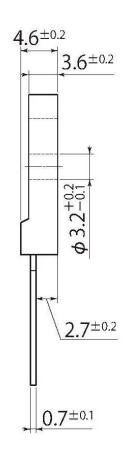


unit:mm

D4

JEDEC Code		
JEITA Code		
House Name	5S	





Notes

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[Special applications]

Transportation equipment (vehicles, ships, etc.), trunk-line communication equipment, traffic signal control systems, antidisaster/crime systems, safety equipment, medical equipment, etc.

[Specific applications]

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