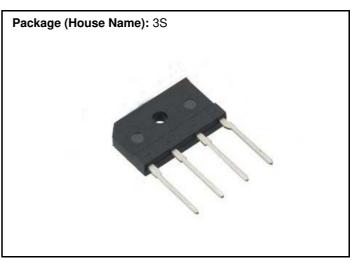
# D4SBN20 Bridge Diodes

200V, 4A

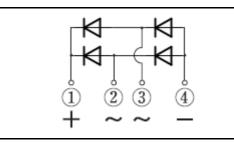
## Feature

- Compact SIP
- SBD Bridge
- High Recovery Speed
- $\bullet \ Low \ V_F$
- Pb free terminal
- RoHS:Yes

### OUTLINE



## Equivalent circuit



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

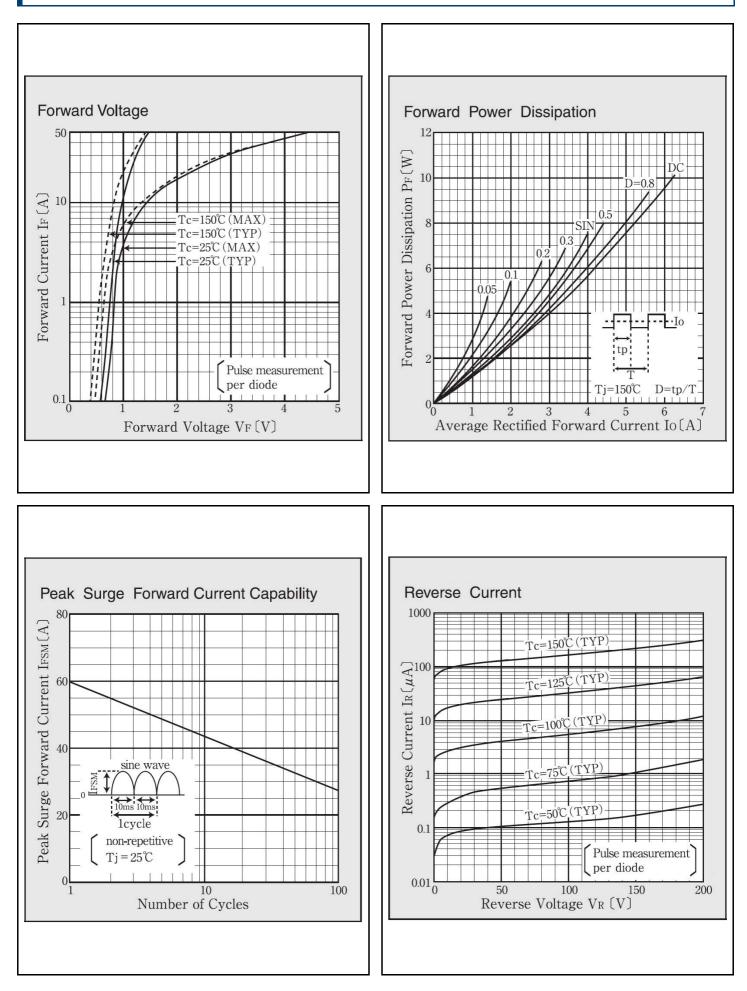
Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Tj		-55 to 150	°C
Repetitive peak reverse voltage	V <sub>RRM</sub>		200	V
Average forward current	I <sub>F</sub> (AV)	50Hz sine wave, Resistance load, With heatsink, Tc=103°C	4	A
Average forward current	I <sub>F</sub> (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C *	2.2	A
Surge forward current	I <sub>FSM</sub>	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	60	А
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2	kV
Mounting torque	TOR	(Recommended torque : 0.5N·m)	0.8	N∙m

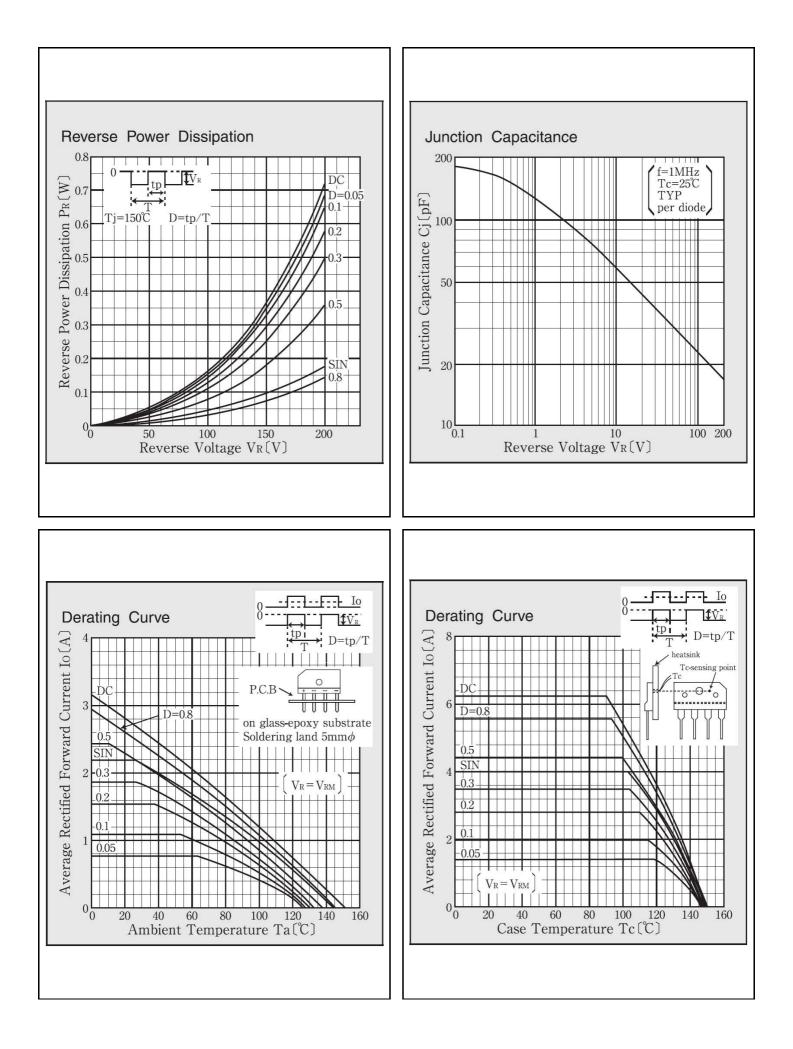
\* : See the original Specifications

Electrical Characteristics (unless otherwise specified : Tc=25°C)								
ltem	Symbol	Conditions	Ratings			Unit		
	Symbol		MIN	ТҮР	MAX	Unit		
Forward voltage	V <sub>F</sub>	IF=2A, Pulse measurement, per diode			0.9	V		
Reverse current	I <sub>R</sub>	VR=200V, Pulse measurement, per diode			1.5	μA		
Total capacitance	Ct	f=1MHz, VR=10V, per diode		60		pF		
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			6	°C/W		
Thermal resistance	Rth(j-l)	Junction to lead, On glass-epoxy substrate *			8	°C/W		
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate *			35	°C/W		

\* : See the original Specifications

# **CHARACTERISTIC DIAGRAMS**

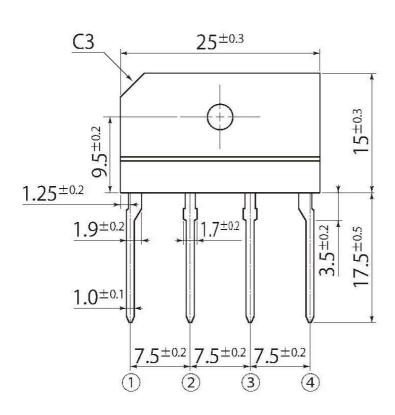


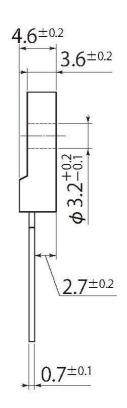


unit:mm

D3

JEDEC Code	_
JEITA Code	-
House Name	3S





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#### [Specific applications]

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