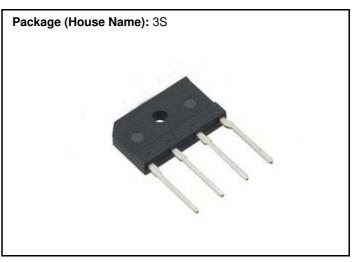
D4SBL20U

Bridge Diodes 200V, 4.0A

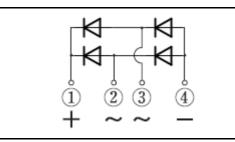
Feature

- Compact SIP
- FRD Bridge
- High Recovery Speed
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



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

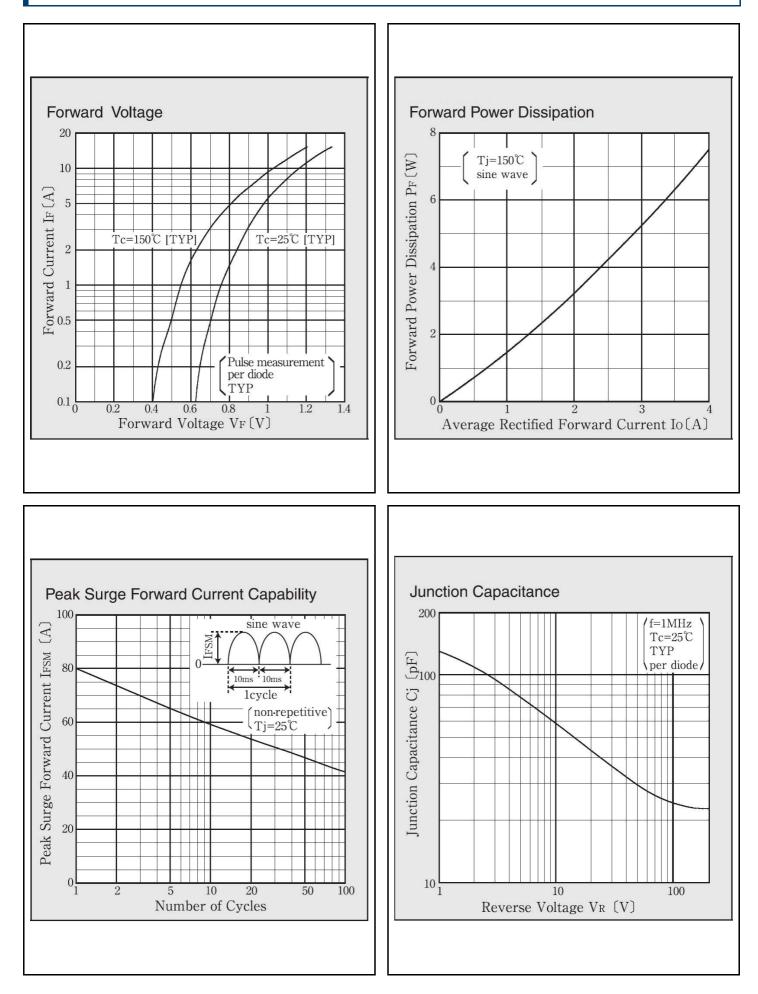
Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Tj		-55 to 150	°C
Repetitive peak reverse voltage	V _{RRM}		200	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, With heatsink, Tc=108°C	4	A
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C *	2.5	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	80	A
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2	kV
Mounting torque	TOR	(Recommended torque : 0.5N·m)	0.8	N∙m

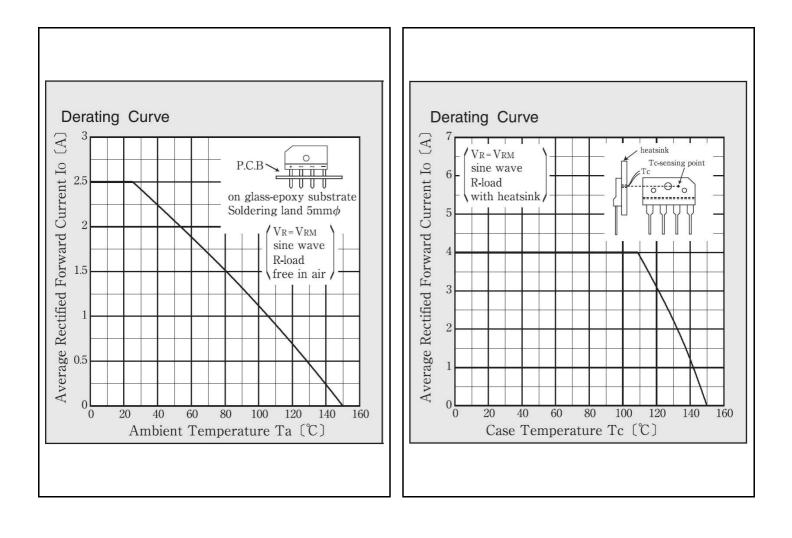
* : See the original Specifications

Electrical Characteristics (unless otherwise specified : Tc=25°C)								
Item	Symbol	Conditions	Ratings			Unit		
			MIN	ТҮР	MAX	Unit		
Forward voltage	V _F	IF=2.0A, Pulse measurement, per diode			0.98	V		
Reverse current	I _R	VR=200V, Pulse measurement, per diode			10	μA		
Reverse recovery time	trr	IF=0.5A, IR=1.0A, 0.1IR, per diode			35	ns		
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			5.5	°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 *			30	°C/W		

* : See the original Specifications

CHARACTERISTIC DIAGRAMS

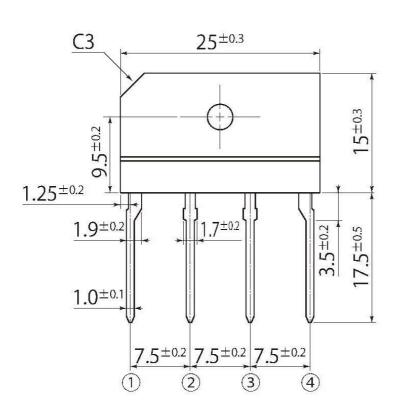


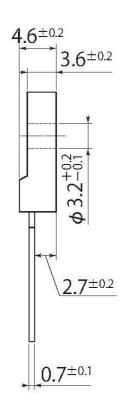


unit:mm

D3

JEDEC Code	_
JEITA Code	-
House Name	3S





Notes

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[Special applications]

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

[Specific applications]

Nuclear reactor control systems, aircraft, aerospace equipment, submarine repeaters, life support equipment and systems, etc.

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