

D4SBL20U

Bridge Diodes

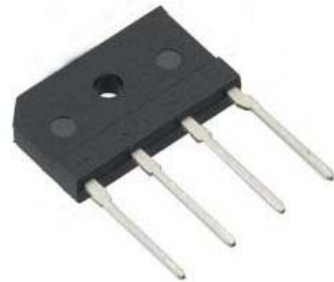
200V, 4.0A

Feature

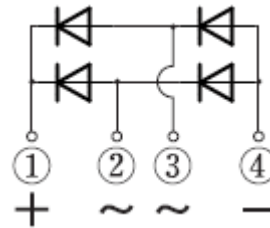
- Compact SIP
- FRD Bridge
- High Recovery Speed
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): 3S



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperature	T _{stg}		-55 to 150	°C
Junction temperature	T _j		-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, T _C =108°C	4	A
Average forward current	I _{F(AV)}	50Hz sine wave, Resistance load, On glass-epoxy substrate, T _a =25°C ※	2.5	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, T _j =25°C	80	A
Dielectric strength	V _{dis}	Terminals to case, AC 1 minute	2	kV
Mounting torque	TOR	(Recommended torque : 0.5N·m)	0.8	N·m

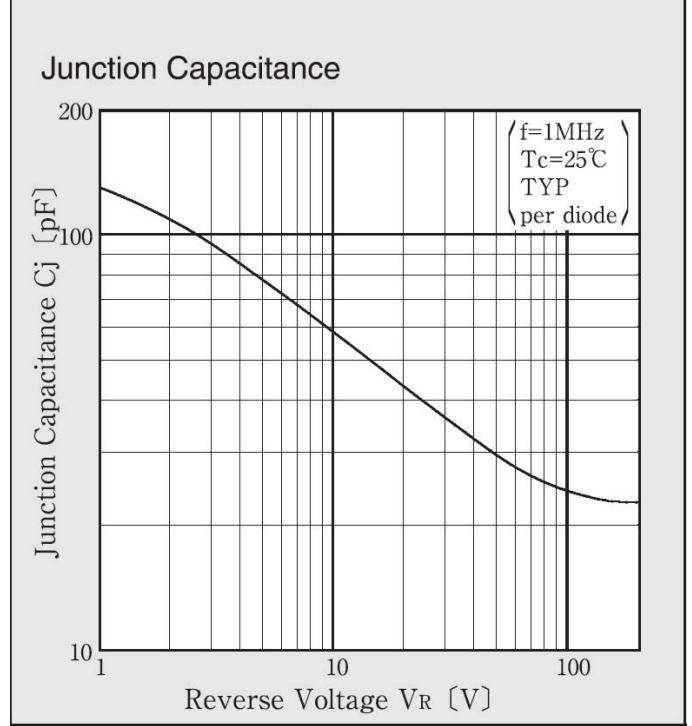
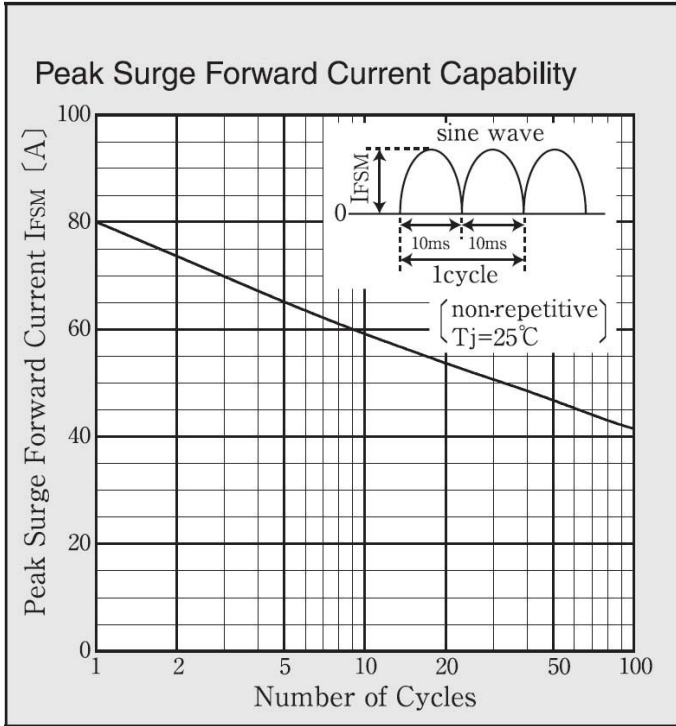
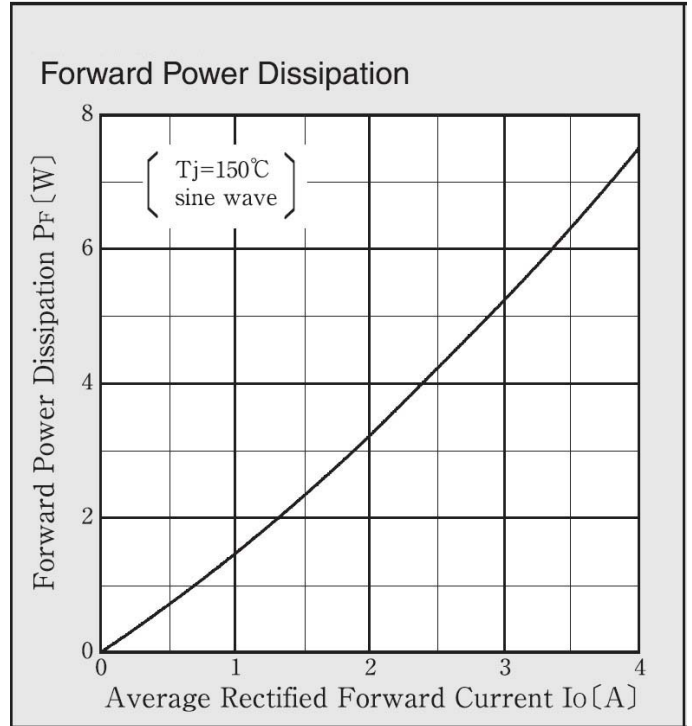
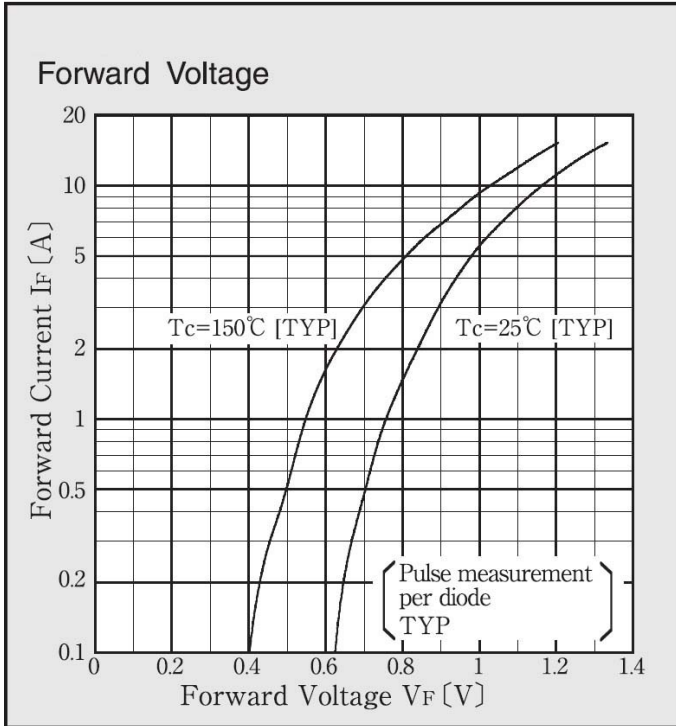
※ : See the original Specifications

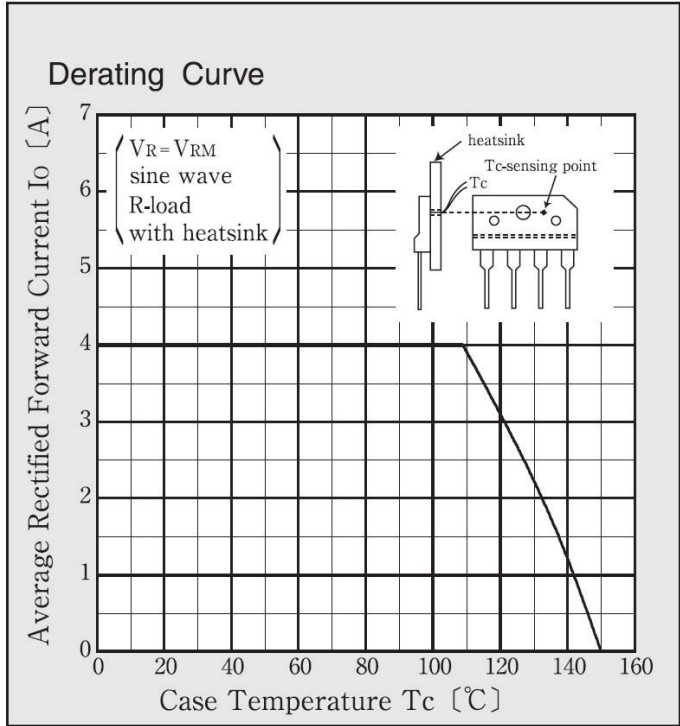
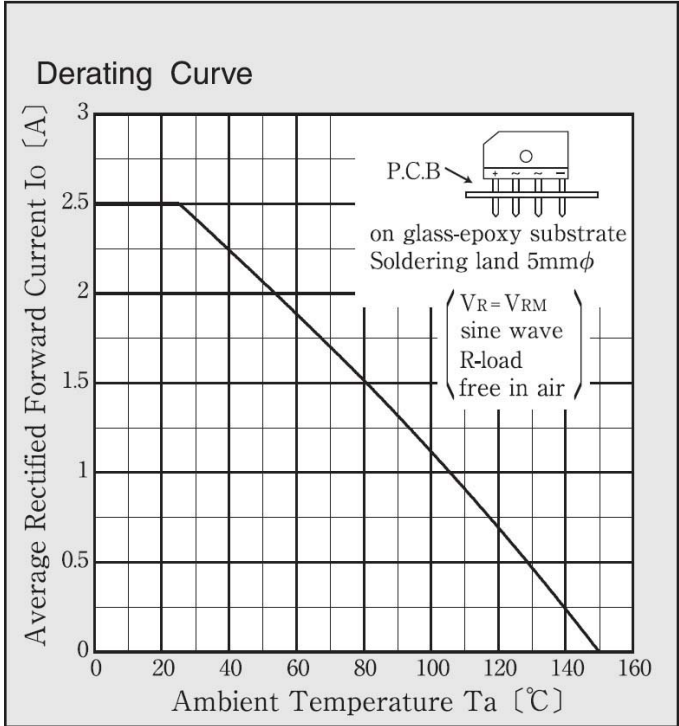
Electrical Characteristics (unless otherwise specified : Tc=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V _F	I _F =2.0A, Pulse measurement, per diode			0.98	V
Reverse current	I _R	V _R =200V, Pulse measurement, per diode			10	μA
Reverse recovery time	t _{rr}	I _F =0.5A, I _R =1.0A, 0.1I _R , per diode			35	ns
Thermal resistance	R _{th(j-c)}	Junction to case, With heatsink			5.5	°C/W
Thermal resistance	R _{th(j-l)}	Junction to lead, On glass-epoxy substrate ※			6	°C/W
Thermal resistance	R _{th(j-a)}	Junction to ambient, On glass-epoxy substrate ※			30	°C/W

※ :See the original Specifications

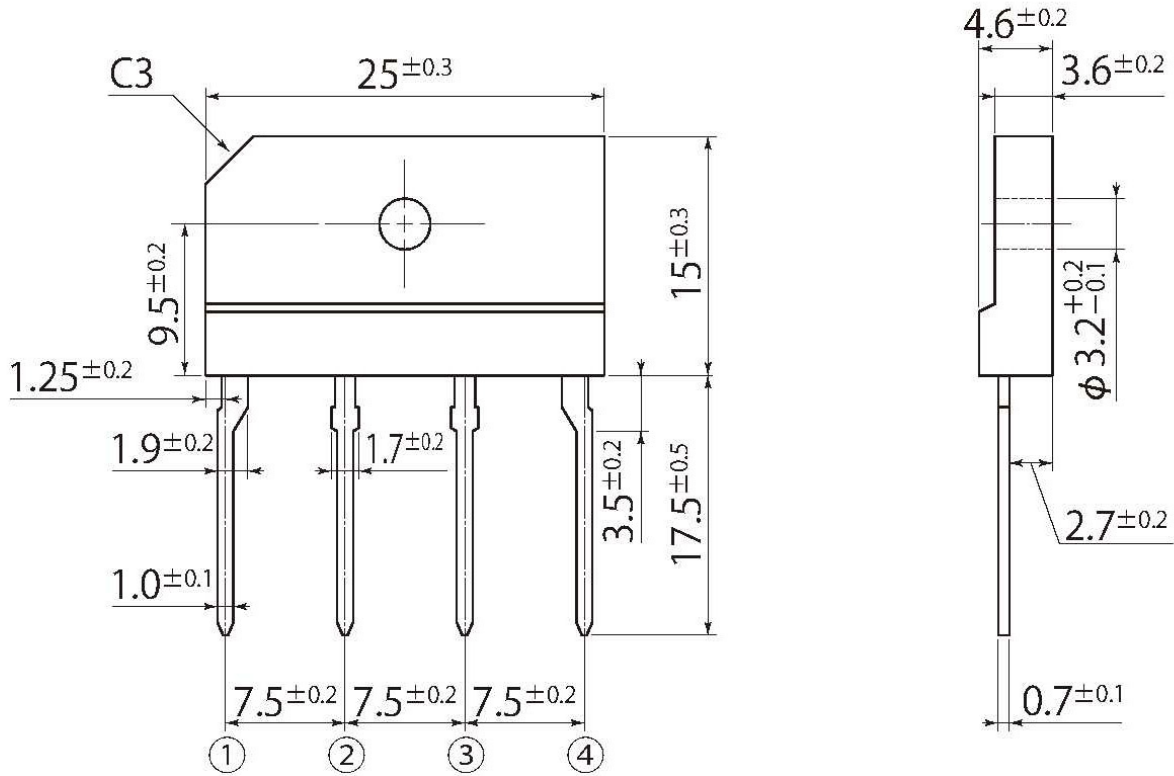
CHARACTERISTIC DIAGRAMS





D3

JEDEC Code	—
JEITA Code	—
House Name	3S



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