

D5SB80

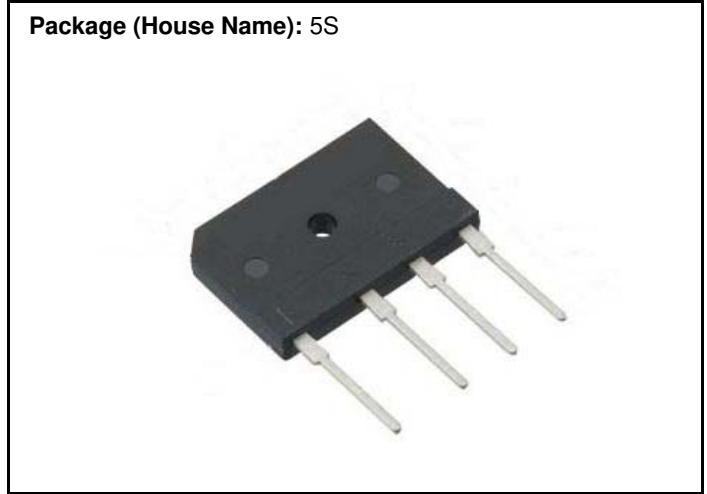
Bridge Diodes
800V, 6A

Feature

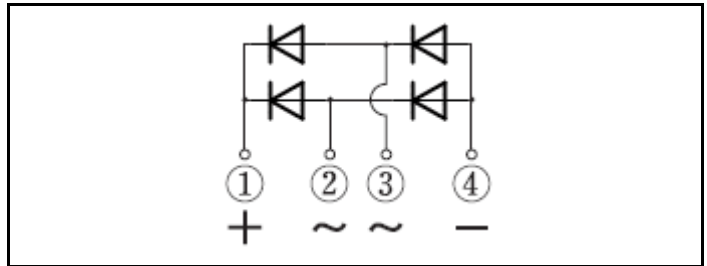
- Compact SIP
- UL E142422
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): 5S



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperature	Tstg		-40 to 150	°C
Junction temperature	Tj		150	°C
Repetitive peak reverse voltage	VRRM		800	V
Average forward current	IF(AV)	50Hz sine wave, Resistance load, With heatsink, Tc=110°C	6	A
Average forward current	IF(AV)	50Hz sine wave, Resistance load, Without heatsink, Ta=25°C	2.8	A
Surge forward current	IFSM	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	170	A
Current squared time	I ² t	2ms ≤ t < 10ms, Tj=25°C, per diode	140	A ² s
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2	kV
Mounting torque	TOR	(Recommended torque : 0.5N·m)	0.8	N·m

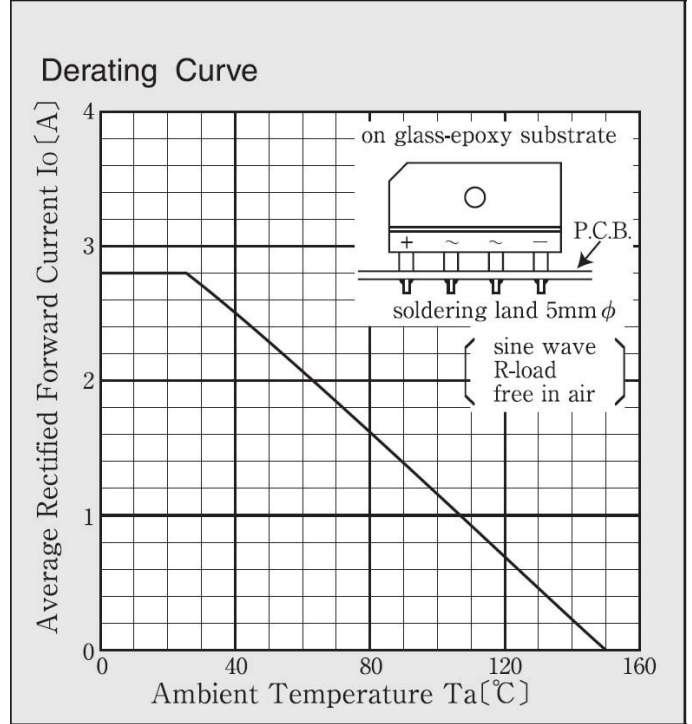
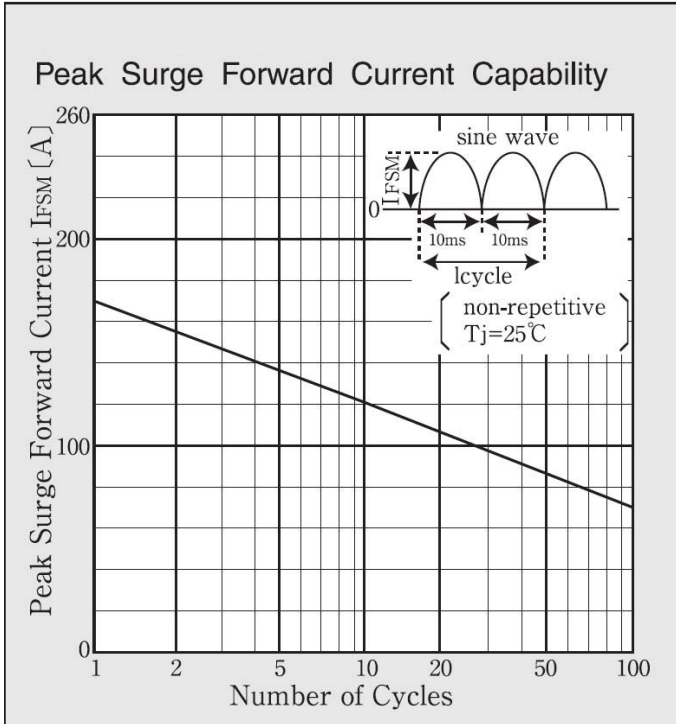
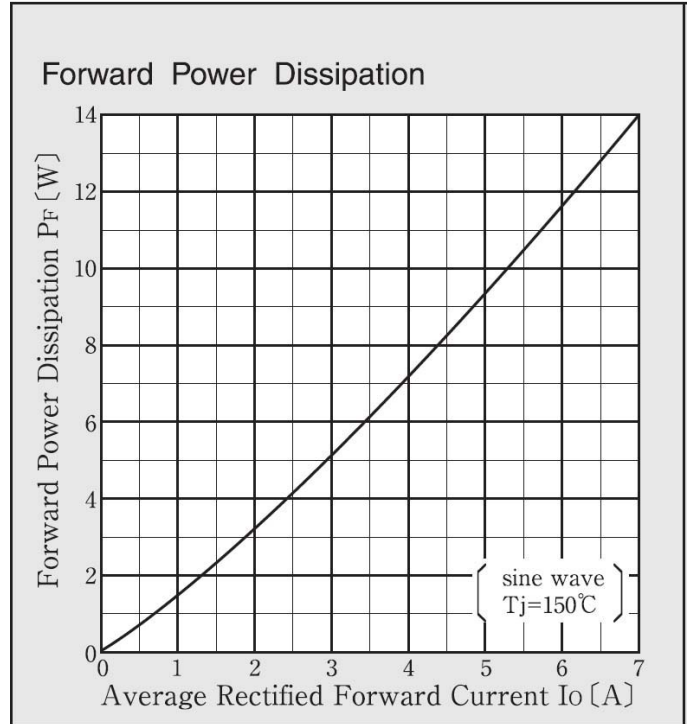
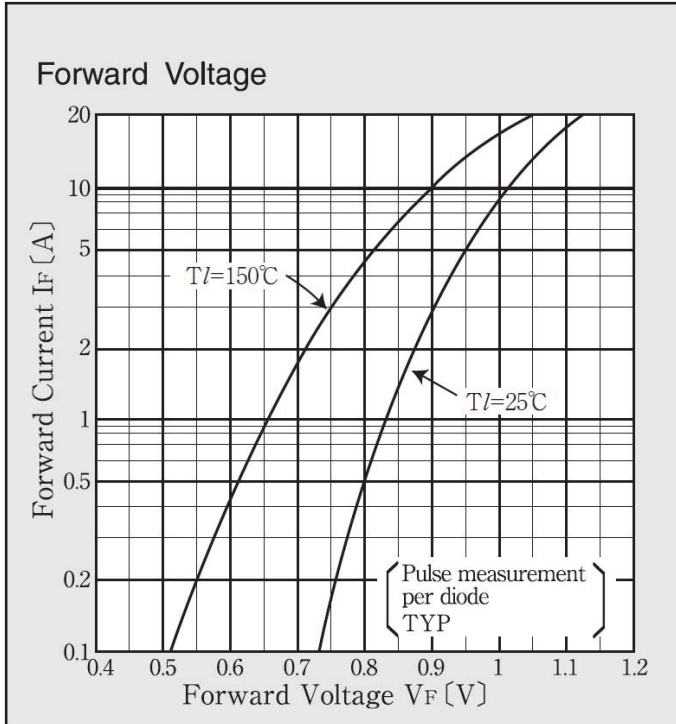
※ :See the original Specifications

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

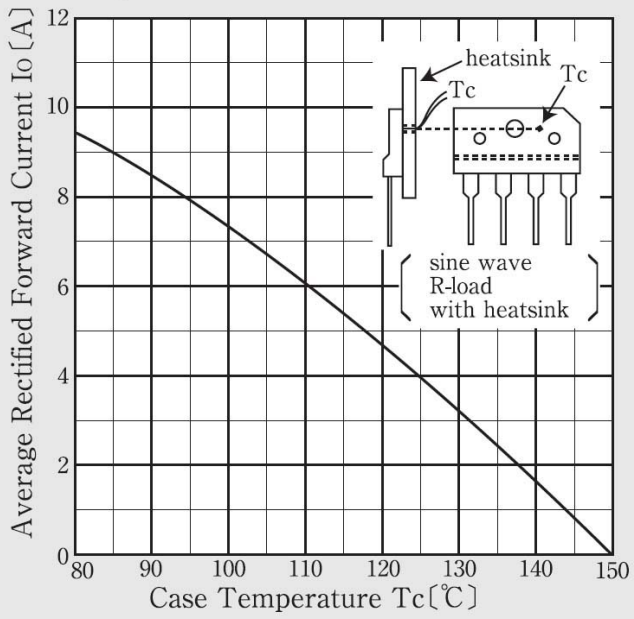
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	IF=3A, Pulse measurement, per diode			1.05	V
Reverse current	I_R	VR=800V, Pulse measurement, per diode			10	μ A
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			3.4	$^{\circ}$ C/W
Thermal resistance	Rth(j-l)	Junction to lead, Without heatsink			5	$^{\circ}$ C/W
Thermal resistance	Rth(j-a)	Junction to ambient, Without heatsink			26	$^{\circ}$ C/W

* :See the original Specifications

CHARACTERISTIC DIAGRAMS

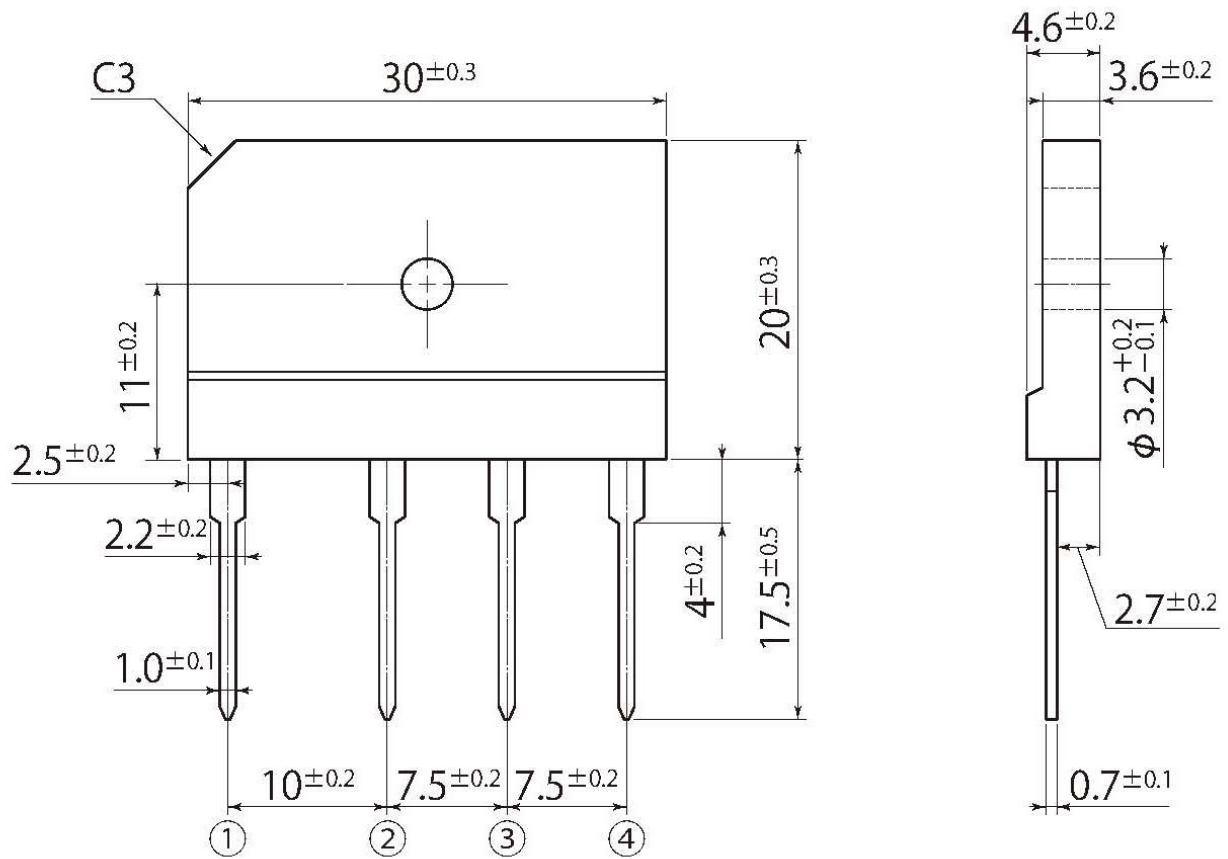


Derating Curve



D4

JEDEC Code	-
JEITA Code	-
House Name	5S



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