

S20VT80

Bridge Diodes 800V, 20A

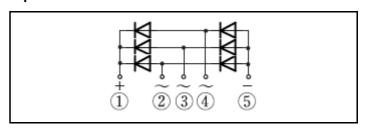
Feature

- Faston Terminal
- · 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		-40 to 150	°C	
Junction temperature	Tj		150	°C	
Repetitive peak reverse voltage	V_{RRM}		800	٧	
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, With heatsink, Tc=128°C	20	Α	
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, per diode, Tj=25°C	300	А	
Current squared time	l²t	1ms≦t<10ms, Tj=25°C, per diode	300	A ² s	
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2	kV	
Mounting torque	TOR	(Recommended torque : 0.6N·m)	0.8	N∙m	

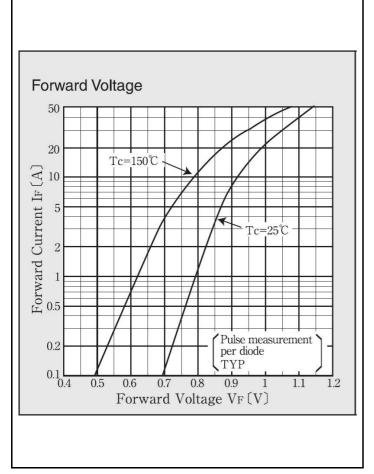
^{* :} See the original Specifications

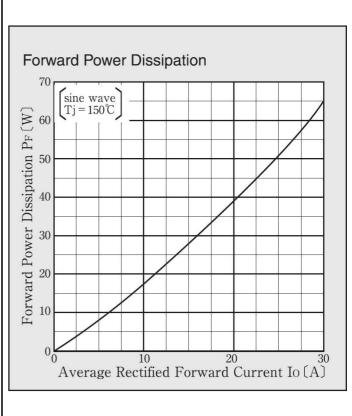
Electrical Characteristics (unless otherwise specified : Tc=25°C)

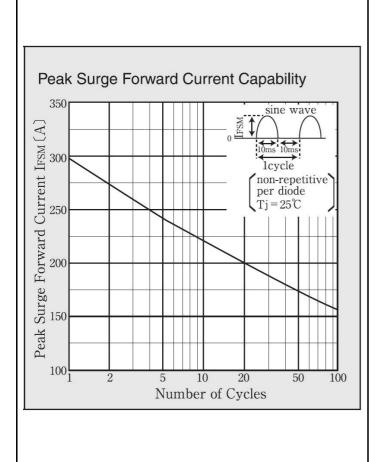
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V _F	IF=7A, Pulse measurement, per diode			1.05	V
Reverse current	I _R	VR=800V, Pulse measurement, per diode			10	μΑ
Thermal resistance	Rth(j-c)	Junction to case			0.55	°C/W

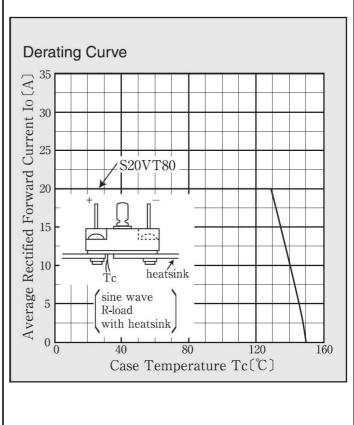
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CHARACTERISTIC DIAGRAMS

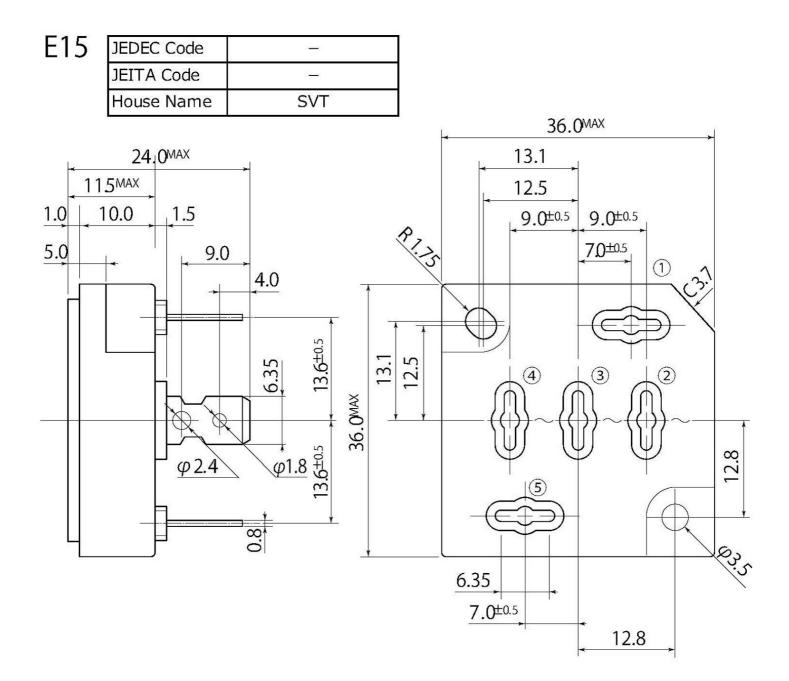








unit:mm



Notes

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