S50VB80

Bridge Diodes 800V, 50A

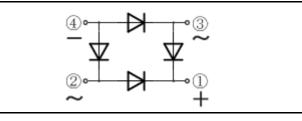
Feature

- Faston Terminal
- UL E142422
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



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

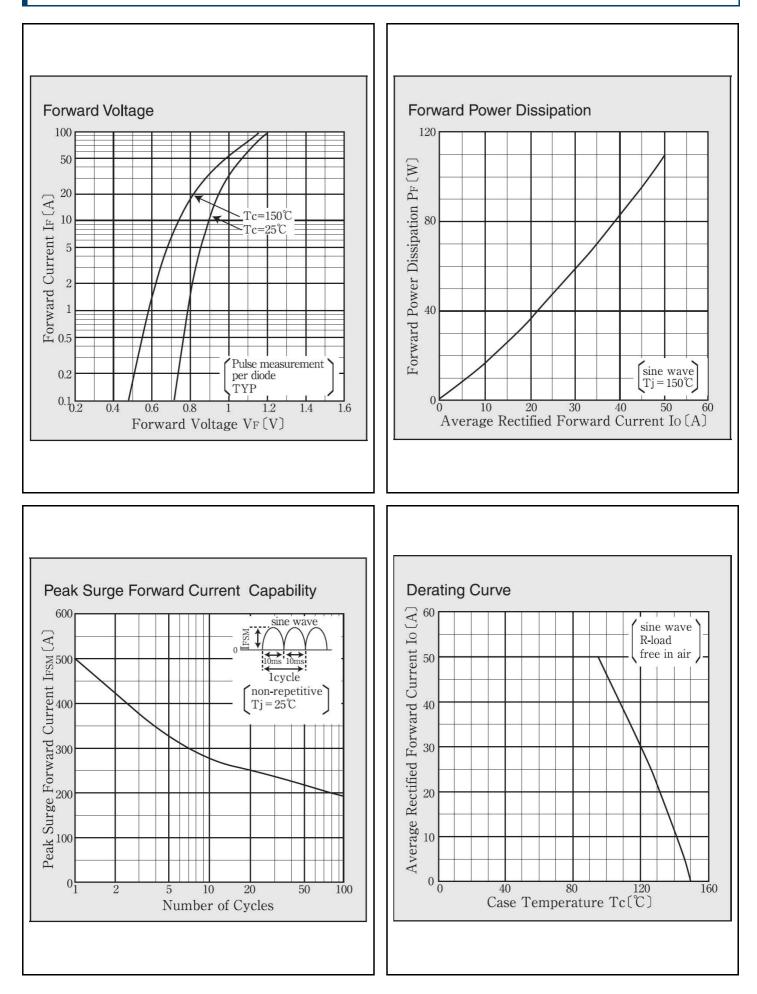
Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 150	°C
Junction temperature	Tj		-40 to 150	°C
Repetitive peak reverse voltage	V _{RRM}		800	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, With heatsink, Tc=95°C	50	А
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	500	А
Current squared time	ľt	1ms≦tp<10ms, Tj=25°C, per diode	800	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	ТҮР	MAX	onit				
Forward voltage	V _F	IF=25A, Pulse measurement, per diode			1.05	V				
Reverse current	I _R	VR=800V, Pulse measurement, per diode			10	μA				
Thermal resistance	Rth(j-c)	Junction to case, With heatsink		0.5	°C/W					

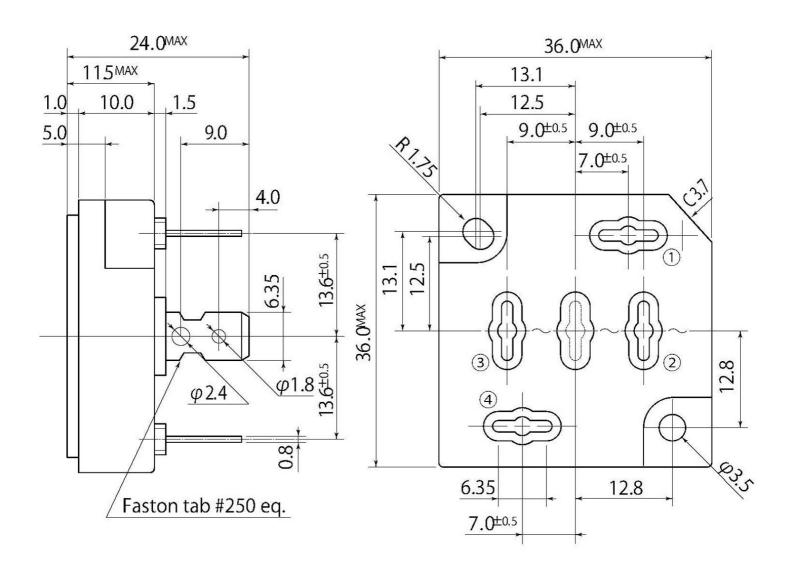
* : See the original Specifications

CHARACTERISTIC DIAGRAMS



unit:mm

E9	JEDEC Code	-
	JEITA Code	-
	House Name	S50VB



Notes

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