

S15VT60

Bridge Diodes

600V, 15A

Feature

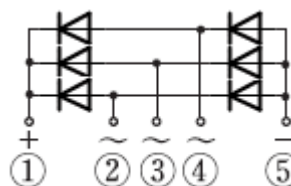
- Faston Terminal
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): SVT



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperature	T _{stg}		-40 to 150	°C
Junction temperature	T _j		150	°C
Repetitive peak reverse voltage	V _{RRM}		600	V
Average forward current	I _{F(AV)}	50Hz sine wave, Resistance load, With heatsink, T _c =132°C	15	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, per diode, T _j =25°C	200	A
Current squared time	I ² t	1ms ≤ t < 10ms, T _j =25°C, per diode	200	A ² s
Dielectric strength	V _{dis}	Terminals to case, AC 1 minute	2	kV
Mounting torque	TOR	(Recommended torque : 0.6N·m)	0.8	N·m

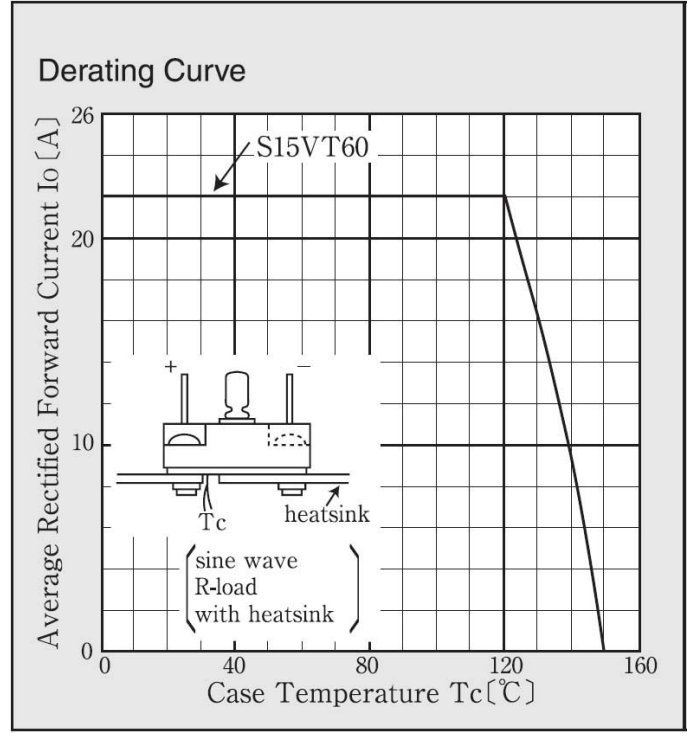
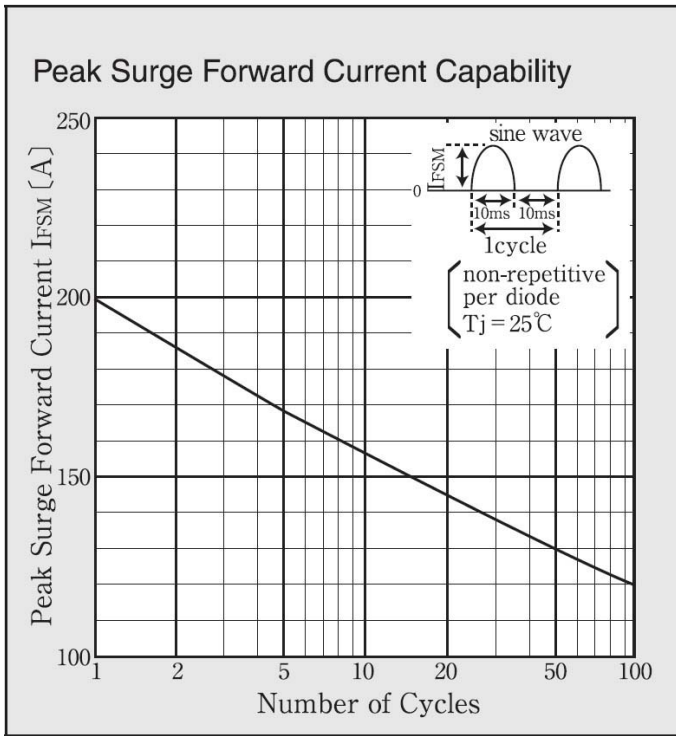
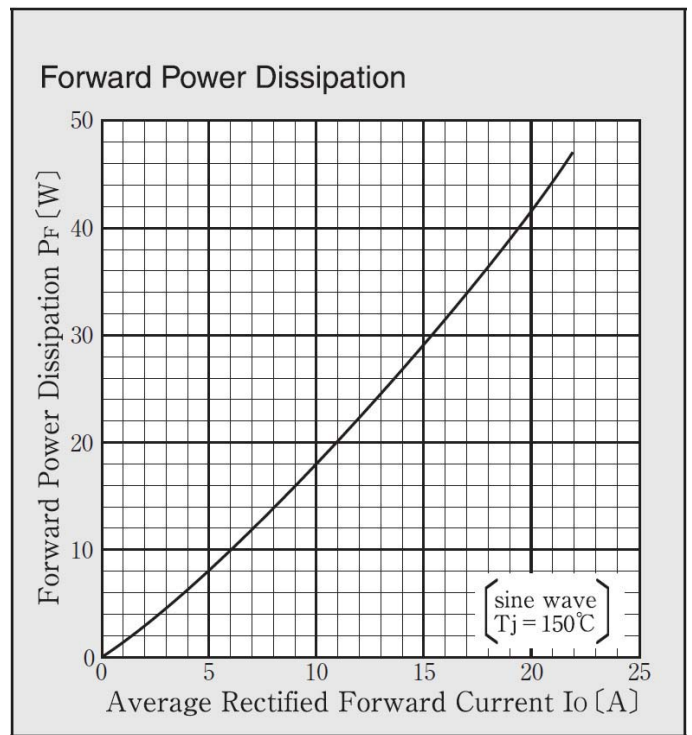
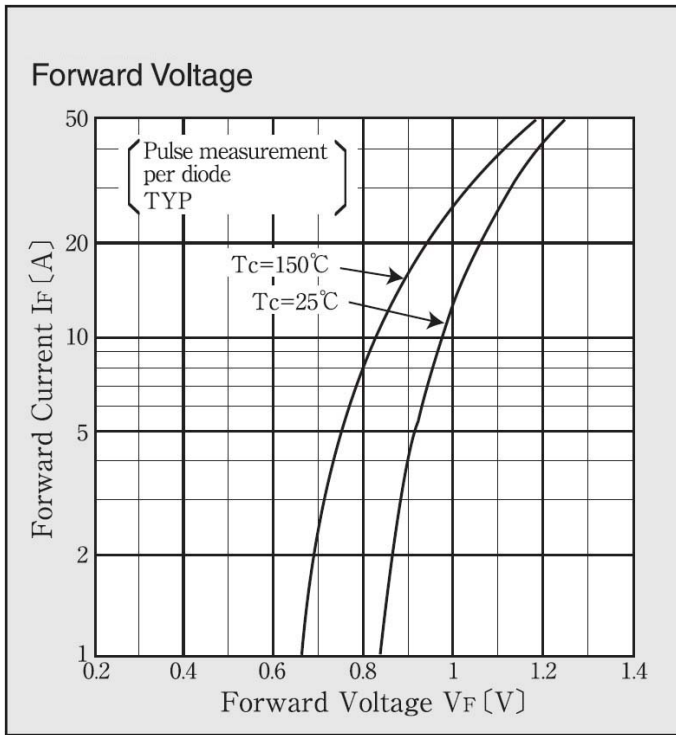
※ : See the original Specifications

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

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	IF=5A, Pulse measurement, per diode			1.05	V
Reverse current	I_R	VR=600V, Pulse measurement, per diode			10	μ A
Thermal resistance	Rth(j-c)	Junction to case			0.6	°C/W

* : See the original Specifications

CHARACTERISTIC DIAGRAMS



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