Elektronische Bauelemente

S6JB80

Voltage 800V

6.0 Amp Glass Passivited Bridge Rectifiers

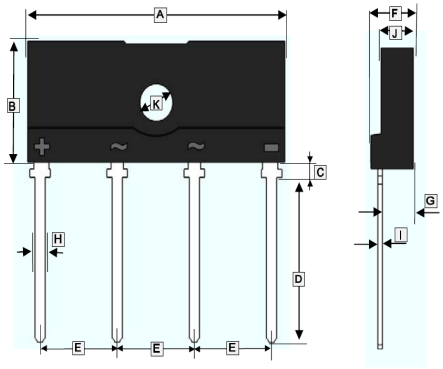
RoHS compliant product

A suffix of "-C" specifies halogen & lead-free

FEATURES

- Ideal for printed circuit board
- Low forward voltage drop, high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product

JB



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	24.7	25.3	G	2.5	2.9
B	10.0	10.6	H	0.9	1.1
C	1.4(TYP.)		I	0.4	0.6
D	13.0	14.0	J	3.0	3.4
E	7.3	7.7	K	φ3.2(TYP.)	
F	4.0	4.4			

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, de-rate current by 20%.)

Parameter		Symbol	Rating	Unit
Maximum Recurrent Peak Reverse Voltage		V_{RRM}	800	V
Average Rectified Output Current @60HZ sine wave, R-load	T_C=131℃ (with heat sink)	I_O	6	A
	T_A=25℃ (without heat sink)		1.8	
Peak Forward Surge Current @ 60H_Z sine wave, 1 cycle, T_A=25℃		I_{FSM}	100	A
Maximum Peak Forward Voltage[3]		V_{FM}	1.05	V
Peak Reverse Current [2]		I_{RRM}	10	μA
Rating for fusing@ 1ms≦t≦8.3ms , per diode		I^2T	41.5	A^2S
Mounting Torque @ Recommend torque:5kg·cm		TOR	8	Kg・cm
Dielectric Strength[1]		Vdis	2	kV
Typical Thermal Resistance (with heat sink)		$R_{\theta JC}$	1.5	°C/W
Typical Thermal Resistance(without heat sink)		$R_{\theta JA}$	40	°C/W
Typical Thermal Resistance(without heat sink)		$R_{\theta JL}$	6.5	°C/W
Operating and Storage temperature range		T_J,T_{STG}	-55~150	°C

Notes：

1. Terminals to case，AC 1 minute
2. V_{RM}=V_{RRM}, Pulse measurement, Rating of per diode.
3. I_{FM}=3A, Pulse measurement, Rating of per diode

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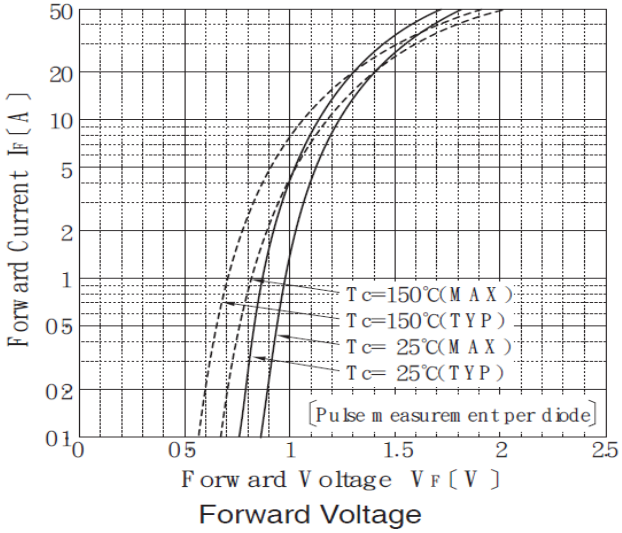
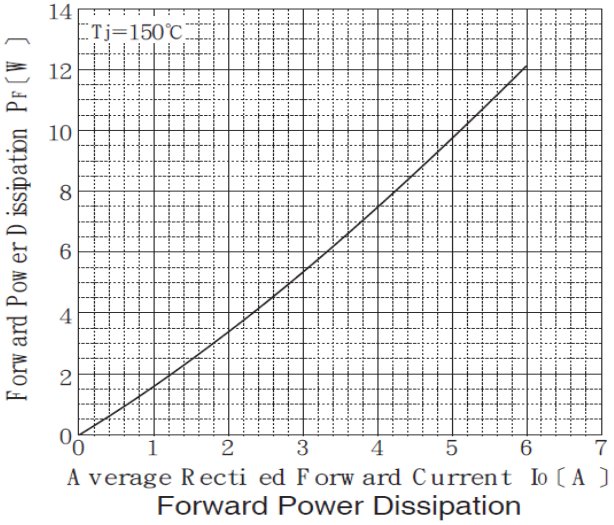
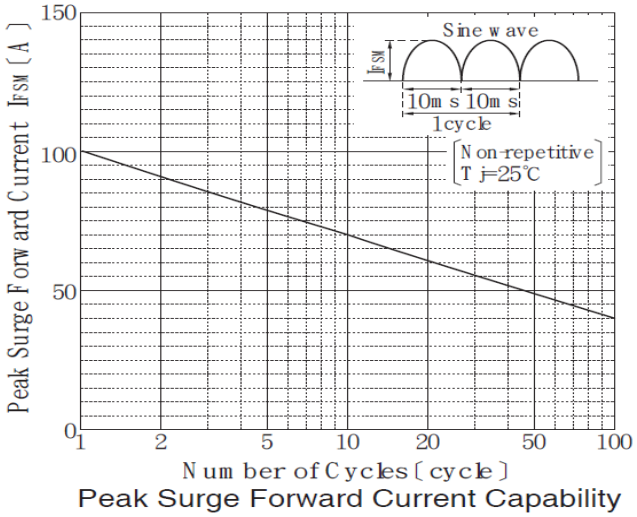
RATINGS AND CHARACTERISTIC CURVES



Forward Voltage



Forward Power Dissipation



Peak Surge Forward Current Capability