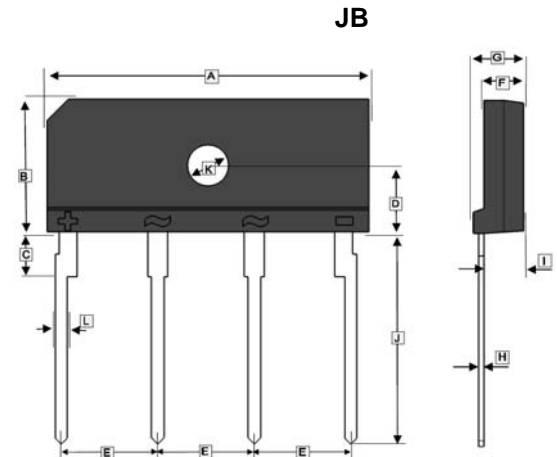


RoHS compliant product  
A suffix of "-C" specifies halogen & lead-free

## 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



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	24.7	25.3	G	3.6	4.0
B	10.0	10.6	H	0.3	0.7
C	1.7 TYP.		J	17.7	18.7
D	5.5	5.9	K	3.0	3.4
E	7.3	7.7	L	0.9	1.1
F	2.8	3.2			

## 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
Maximum average forward rectified output current	$I_O$	$T_C=110^{\circ}C$ <sup>1</sup>	10
		$T_A=25^{\circ}C$ <sup>2</sup>	2.4
Peak forward surge current 8.3 ms single sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	120	A
Maximum Peak Forward Voltage @ 5A	$V_F$	1.05	V
Maximum DC Reverse Current at Rated DC Blocking Voltage per leg	$I_R$	$T_A=25^{\circ}C$	5
		$T_A=125^{\circ}C$	150
Rating for fusing@ $t \leq 8.3ms$	$I^2T$	60	A <sup>2</sup> S
Typical Thermal Resistance per leg <sup>1</sup>	$R_{\theta JC}$	2.2	°C/W
Typical Thermal Resistance per leg <sup>2</sup>	$R_{\theta JA}$	23	°C/W
Operating and Storage temperature range	$T_J, T_{STG}$	-55~150	°C

Notes :

1. Unit case mounted on Al plate heatsink;
2. Units mounted on PCB without heatsink;
3. Recommended mounting position is to bolt down on heatsink with silicone thermal compound for maximum heat transfer with #6 screw.

**RATINGS AND CHARACTERISTIC CURVES**

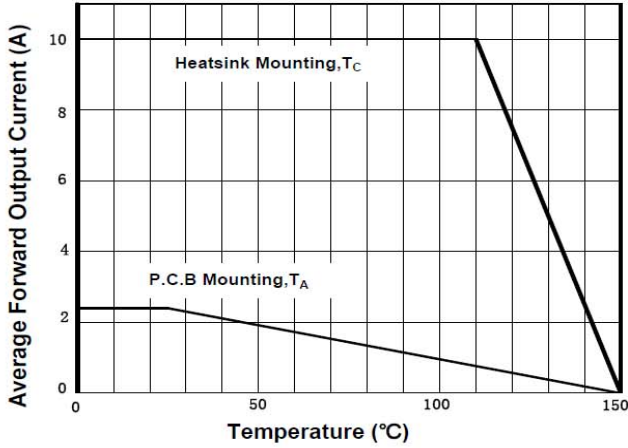


Figure 1. Derating Curve Output Rectified Current

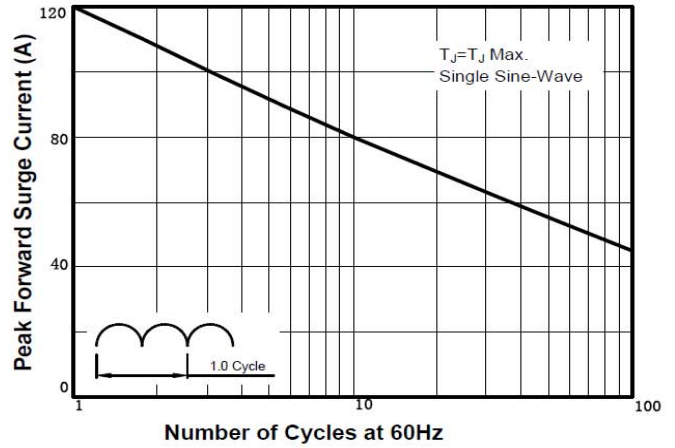


Figure 2. Maximum Non-Repetitive Peak Forward Surge Current per Diode

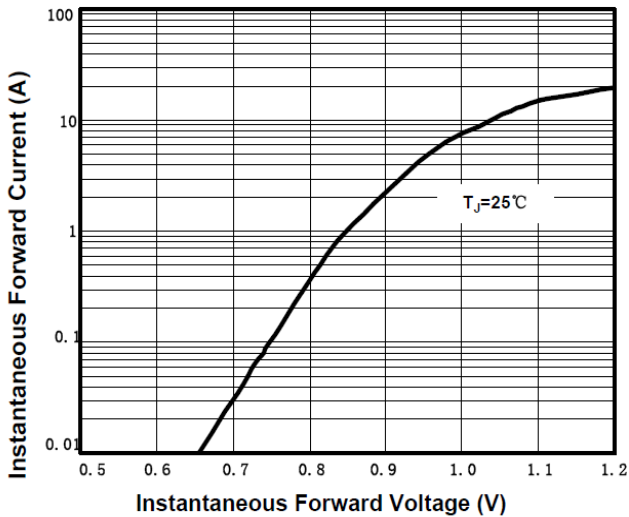


Figure 3. Typical Forward Characteristics Per Diode

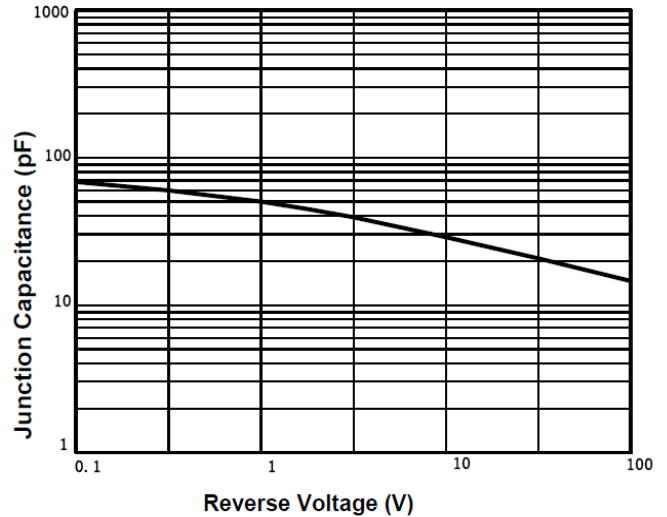


Figure 4. Typical Junction Capacitance Per Diode

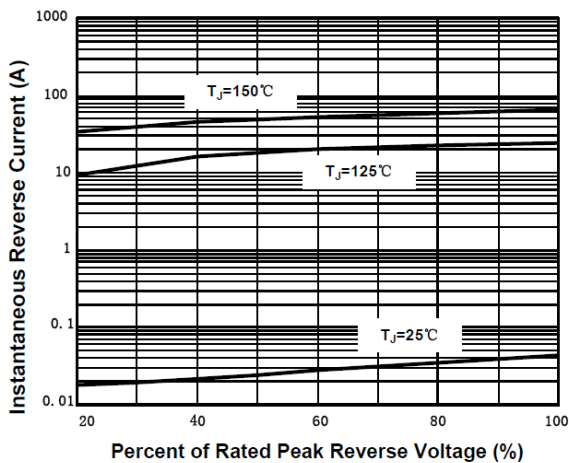


Figure 5. Typical Reverse Characteristics Per Diode