

6A Glass Passivated Single-Phase Bridge Rectifier

Features

- ◆ Glass Passivated Chip
- ◆ High Surge Current Capability
- ◆ Low Reverse Leakage Current
- ◆ Case to Terminal Isolation Voltage 2500V

Application

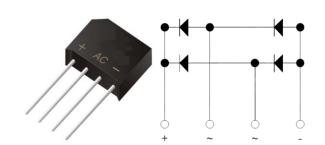
- ◆ Switching Mode Power Supply
- ◆ Household Electrical Appliances
- ◆ General Purpose Single-Phase Bridge Rectifier



◆ Case: Plastic Package

◆ Marking / Polarity: Marked on Body

◆ Weight: About 4.2 Grams



Maximum Ratings and Thermal Characteristics $T_A = 25$ °C unless otherwise noted

Symbol	Parameter		Rating	Unit
V_{RRM}	Recurrent Peak Reverse Voltage		1000	V
I _{F(AV)}	Average Forward Output Rectified Current, T _A = 120°C		6.0	Α
V _F	Maximum Forward Voltage Per Leg, I _{FM} = 6.0A		1.05	V
I _{FSM}	Peak Forward Surge Current Single Half Sine-wave Superimposed on Rated Load		125	Α
I _R	Maximum DC Reverse Current at Rated DC Blocking Voltage	T _A = 25°C	5.0	μА
		T _A = 125°C	500	
i ² t	Rating for Fusing (t < 8.3ms)		64	A ² S
V _{isol}	Rms Isolation Voltage from Case to Leads		2500	V
CJ	Typical Junction Capacitance		38	pF
R _θ J _C	Maximum Thermal Resistance Per Leg		4.2	°C/W
T _J , T _{STG}	Operating Junction and Storage Temperature Range		-55 to 150	°C

Notes:

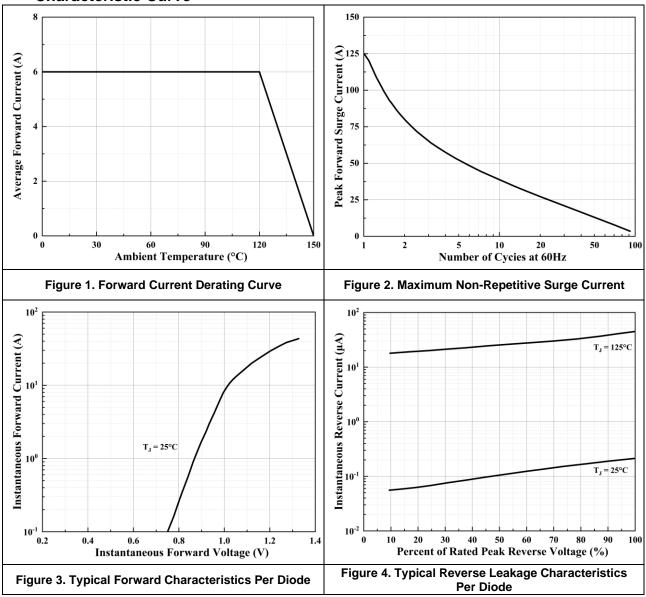
a. Junction to case with heatsink.

b. Recommended mounting position is to bolt down on heatsink with silicone thermal compound for maximum heat transfer with M3 screw.



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■ Characteristic Curve

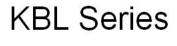


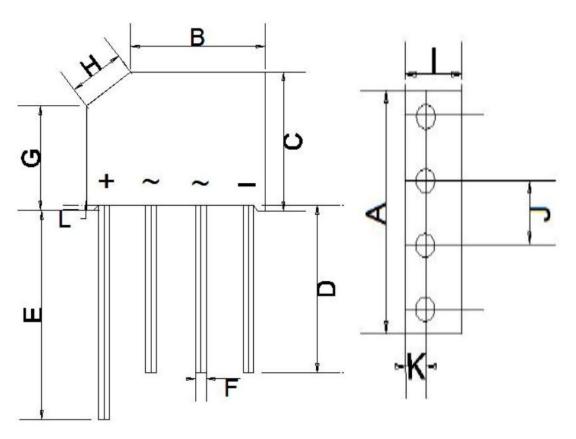
Rev 1.0



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■ Package Information





Item	Min(mm)	Max (mm)
A	18. 70	20. 10
В	14. 70	15. 20
С	15. 30	15. 70
D	18. 40	18. 90
E	22. 95	23. 55
F	1. 15	1. 25
G	11. 30	11. 90
Н	5. 70	6. 30
I	5. 40	5. 60
J	4. 70	5. 30
K	1.80	2. 20
L	0.70	1. 10