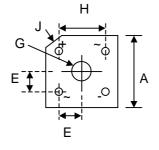


PB1000G - PB1010G

10A GLASS PASSIVATED BRIDGE RECTIFIER

Features

- Glass Passivated Die Construction
- High Current Capability
- High Case Dielectric Strength
- High Surge Current Capability
- Ideal for Printed Circuit Board Application
- Plastic Material has Underwriters Laboratory Flammability Classification 94V-O



Dim	Min	Max			
Α	18.54	19.56			
В	6.35	7.60			
C	19.00	_			
D	1.27 Ø Typical				
Е	5.33	7.37			
G	Hole for #6 screw				
9	3.60	4.00			
Η	12.20	13.20			
J	2.38 x 45°C Typical				
All Dimensions in mm					

KBPC-8

Mechanical Data

Case: Molded Plastic

 Terminals: Plated Leads Solderable per MIL-STD-202, Method 208

Polarity: Marked on Body

Weight: 5.4 grams (approx.)

Mounting Position: Through Hole for #6 Screw
Mounting Torque: 5.0 Inch-pounds Maximum

Marking: Type Number

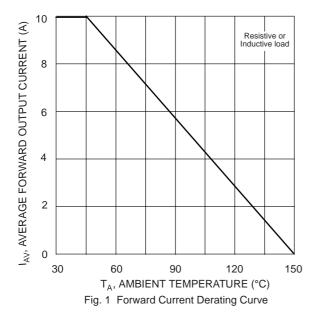
Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

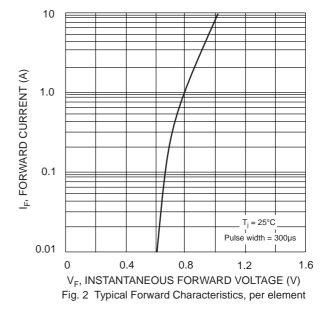
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

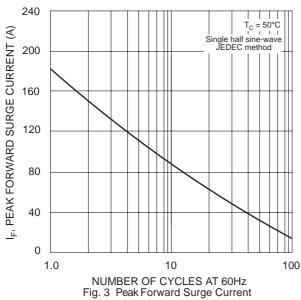
Characteristic	Symbol	PB 1000G	PB 1001G	PB 1002G	PB 1004G	PB 1006G	PB 1008G	PB 1010G	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		50	100	200	400	600	800	1000	٧
RMS Reverse Voltage		35	70	140	280	420	560	700	٧
Average Rectified Output Current (Note 1) @T _A = 45°C			10						Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)			180					А	
Forward Voltage (per element) @I _F = 5.	0A VFM		1.0				V		
Peak Reverse Current $@T_C = 25$ At Rated DC Blocking Voltage $@T_C = 125$	I ID				5.0 500				μΑ
I²t Rating for Fusing (t<8.3ms) (Note 2)			160						A ² s
Typical Junction Capacitance (Note 3)			220					pF	
Typical Thermal Resistance (Note 4)			4.30					K/W	
Operating and Storage Temperature Range			-55 to +150						°C

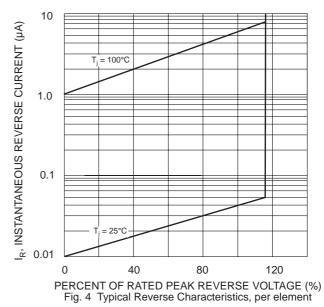
Note: 1. Mounted on 6.0" x 2.2" x 2.2" Al. plate.

- 2. Non-repetitive, for t > 1ms and < 8.3ms.
- 3. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.
- 4. Thermal resistance junction to case per element.









ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
PB1000G	Square Bridge	200 Units/Box
PB1001G	Square Bridge	200 Units/Box
PB1002G	Square Bridge	200 Units/Box
PB1004G	Square Bridge	200 Units/Box
PB1006G	Square Bridge	200 Units/Box
PB1008G	Square Bridge	200 Units/Box
PB1010G	Square Bridge	200 Units/Box

Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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