



A1

E502650

Features

- Halogen Free Available Upon Request By Adding Suffix "-HF"
- High Current Capability
- Superior Thermal Conductivity
- Lead Free Finish/RoHS Compliant (Note1) ("P"Suffix Designates Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance^(Note2): 0.8°C/W Junction to Case
- Typical Thermal Resistance: 18°C/W Junction to Ambient

Mechanical Data

Mounting Torque: 5in-lbs

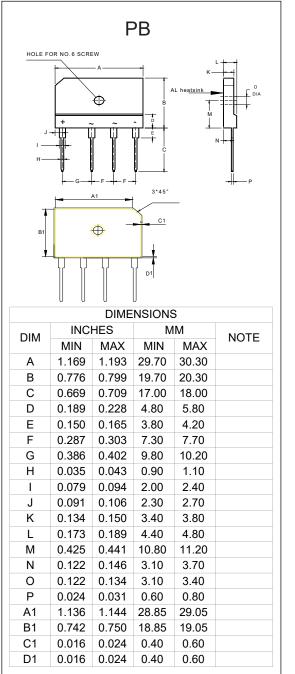
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
PB25005	PB25005	50V	35V	50V
PB2501	PB2501	100V	70V	100V
PB2502	PB2502	200V	140V	200V
PB2504	PB2504	400V	280V	400V
PB2506	PB2506	600V	420V	600V
PB2508	PB2508	800V	560V	800V
PB2510	PB2510	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	25A	T _c = 100°C
Peak Forward Surge Current	I _{FSM}	350A	8.3ms, Half Sine
Maximum Instantaneous Forward Voltage	V _F	1.0V 0.9V	I _{FM} = 12.5A;T _J = 25°C I _{FM} = 12.5A;T _J = 125°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5µA 250µA	T _J = 25°C T _J = 125°C
Dielectric Strength	Vdis	2.5KV	Terminals to Case, AC 1 Minute
Rating for Fusing	l²t	508 A²s	1ms <t<8.3ms< td=""></t<8.3ms<>

Note: 1. High Temperature Solder Exemption Applied, See EU Directive Annex 7a. 2.Unit Mounted on 100*50*2mm Aluminum Plate Heatsink.

25 Amp Bridge Rectifier 50 - 1000 Volts





Curve Characteristics

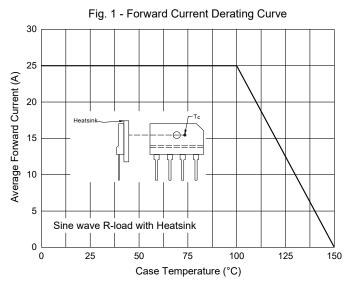
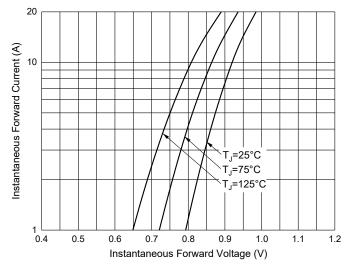
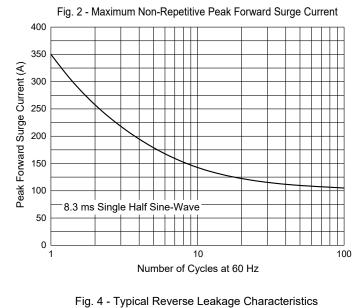
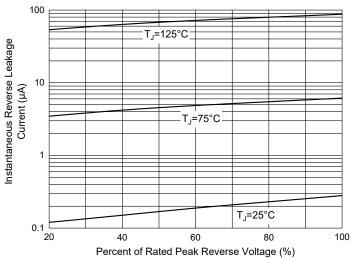


Fig. 2 - Typical Instantaneous Forward Characteristics









Ordering Information

Device	Packing
Part Number-BP	Bulk: 750pcs/Box

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-BP-HF

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