

Micro Commercial Components

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Features

- Low Forward Voltage and Any Mounting Position
- Surge Overload Rating Of 150 Amps
- Silver Plated Copper Leads
- Lead Free Finish/RoHS Compliant (NOTE 1)("P" Suffix designates RoHS Compliant. See ordering information)
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- UL Recognized File # E165989

Microsemi	Device	Maximum	Maximum	Maximum
Catalog	Marking	Recurrent	Recurrent RMS	
Number	_	Peak Reverse	Voltage	Blocking
		Voltage	-	Voltage
PB605	PB605	50V	35V	50V
PB61	PB61	100V	70V	100V
PB62	PB62	200V	140V	200V
PB64	PB64	400V	280V	400V
PB66	PB66	600V	420V	600V
PB68	PB68	800V	560V	800V
PB610	PB610	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

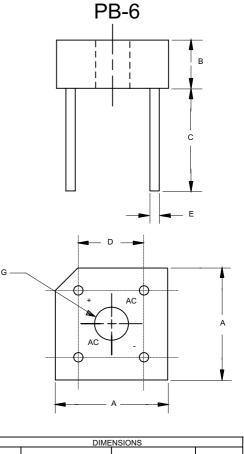
Average Forward Current	I _{F(AV)}	6.0A	T _a = 50°C
Peak Forward Surge Current	I _{FSM}	150A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V _F	1.0V	I _F = 3.0A; T _a = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	10μΑ 1 mA	$T_a = 25^{\circ}C$ $T_a = 100^{\circ}C$

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7

PB605 THRU

PB610

6 Amp Single Phase Bridge Rectifier 50 to 1000 Volts



DIMENSIONS						
	INCHES		MM			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.578	.618	14.69	15.71	2PL	
В	.230	.270	5.84	6.86		
С	.750		19.10			
D	.405	.444	10.30	11.30	2PL	
Е	.038	.042	0.97	1.07	4PL/TYP	
G	.145		3.70		Ø	

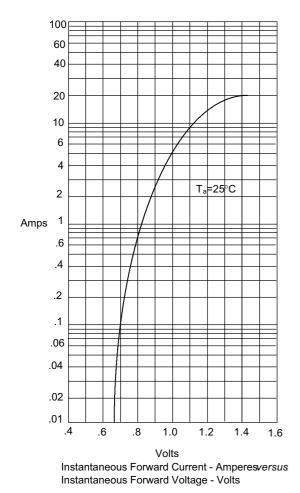
www.mccsemi.com

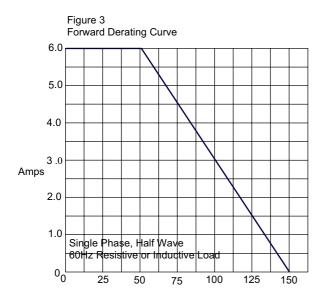


PB605 thru PB610

Figure 1

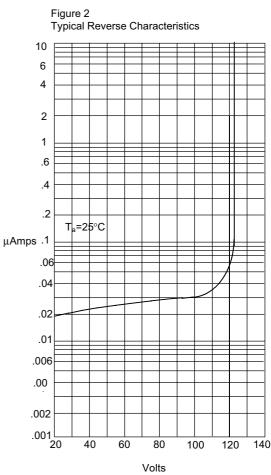
Typical Forward Characteristics



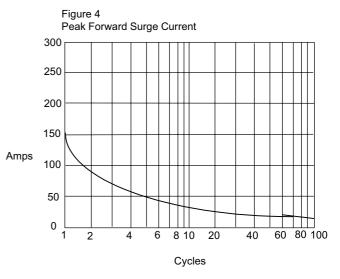


Average Forward Rectified Current - Amperes versus Ambient Temperature - $^\circ \text{C}$

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Instantaneous Reverse Leakage Current - MicroAmperesersus Percent Of Rated Peak Reverse Voltage - Volts



Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles

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Ordering Information

Device	Packing
(Part Number)-BP	Bulk;200pcs/Box

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