



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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## GBJ6005 THRU GBJ610

### **Features**

- Halogen free available upon request by adding suffix "-HF"
- Ideal for printed circuit board
- Low forward voltage drop, high current capability.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)

## **Maximum Ratings**

- Mounting Torgue: 5.0 in-lbs Maximum
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- UL Recognized File # E165989

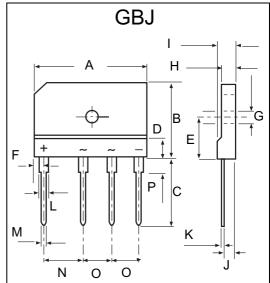
MCC Catalog	Device Marking	Maximum Reccurrent	Maximum RMS	Maximum DC
Number	Iviarking	Peak Reverse	Voltage	Blocking
		Voltage		Voltage
GBJ6005	GBJ6005	50V	35V	50V
GBJ601	GBJ601	100V	70V	100V
GBJ602	GBJ602	200V	140V	200V
GBJ604	GBJ604	400V	280V	400V
GBJ606	GBJ606	600V	420V	600V
GBJ608	GBJ608	800V	560V	800V
GBJ610	GBJ610	1000V	700V	1000V

#### Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward	I <sub>F(AV)</sub>	6 A	Tc = 110°C
Current	. (***)		
Peak Forward Surge	I <sub>FSM</sub>	170A	8.3ms, half sine
Current			
Maximum			
Instantaneous	$V_{F}$	1.0V	$I_{FM} = 3.0A$
Forward Voltage			$T_J = 25^{\circ}C$
Maximum DC			
Reverse Current At	$I_R$	5 μΑ	T <sub>J</sub> = 25°C
Rated DC Blocking		500uA	T <sub>J</sub> = 125°C
Voltage			
Typical thermal			
resistance	$R_{OJC}$	1.8°C/W	
Typical Junction	С <sup>л</sup>	55 pF	Measured at
Capacitance			1.0MHz, V <sub>R</sub> =4.0V

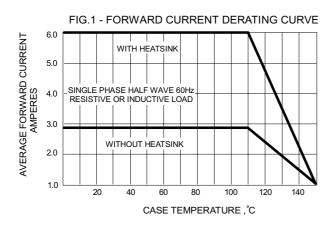
Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7

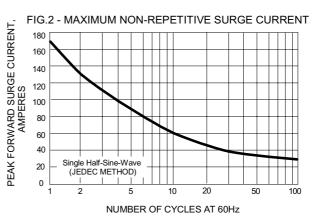
# 6 Amp Glass Passivated Bridge Rectifier 50 to 1000 Volts

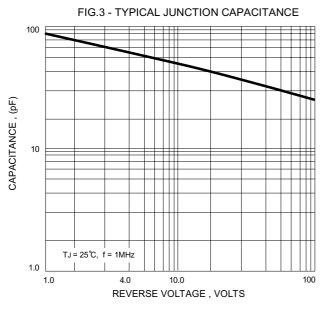


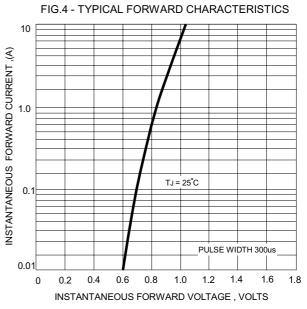
DIMENSIONS					
	INCHES		ММ		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	1.170	1.190	29.70	30.30	
В	.780	.800	19.70	20.30	
С	.670	.710	17.00	18.00	
D	.019	.019	4.70	4.90	
Е	.430	.440	10.80	11.20	
F	.090	.110	2.30	2.70	
Ð	.120	.130	3.10	3.40	
Ι	.130	.150	3.40	3.80	
I	.170	.190	4.40	4.80	
J	.100	.110	2.50	2.90	
K	.020	.030	0.60	0.80	
Г	.080	.090	2.00	2.40	
М	.040	.040	0.90	1.10	
Ν	.390	.400	9.80	10.20	
0	.290	.300	7.30	7.70	
Р	.150	.170	3.80	4.20	

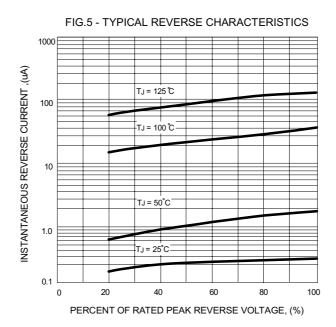
Case Type













#### **Micro Commercial Components**

#### **Ordering Information:**

Device	Packing	
Part Number-BP	Bulk; 1.5K/Ctn	

Note: Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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