

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Micro Commercial Components 20736 Marilla Street Chatsworth

CA 91311

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GBJ15005 THRU GBJ1510

Features

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

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Typical Thermal Resistance 0.8°C/W J to C (With heatsink)
- Typical Thermal Resistance 3.5°C/W J to L (Without heatsink)
- Typical Thermal Resistance 12°C/W J to A (Without heatsink)
- UL Recognized File # E165989; Mounting torque: 5in-lbs.

MCC	Device	Maximum	Maximum	Maximum
Catalog	Marking	Reccurrent	RMS	DC
Number		Peak Reverse	Voltage	Blocking
		Voltage	-	Voltage
GBJ15005	GBJ15005	50V	35V	50V
GBJ1501	GBJ1501	100V	70V	100V
GBJ1502	GBJ1502	200V	140V	200V
GBJ1504	GBJ1504	400V	280V	400V
GBJ1506	GBJ1506	600V	420V	600V
GBJ1508	GBJ1508	800V	560V	800V
GBJ1510	GBJ1510	1000V	700V	1000V

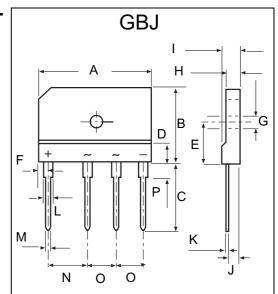
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	15 A	Tc = 100°C		
Peak Forward Surge Current	I _{FSM}	240A	8.3ms, half sine		
Maximum Instantaneous Forward Voltage	V_{F}	1.05V	I _{FM} = 7.5A T _J = 25°C		
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	10 μA 500uA	T _J = 25°C T _J = 125°C		
l ² t Rating for fusing	l ² t	240A ² S	(t<8.3ms)		
Typical Junction Capacitance	CJ	60 pF	Measured at 1.0MHz, V _R =4.0V		

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

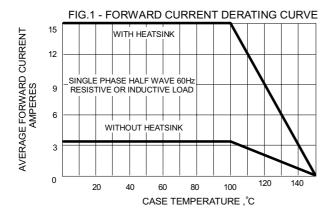
3. Device mounted on 300mm * 300mm *1.6mm Cu Plate Heatsink

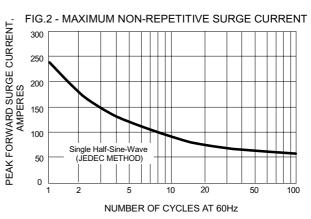
15 Amp Glass Passivated Bridge Rectifier 50 to 1000 Volts

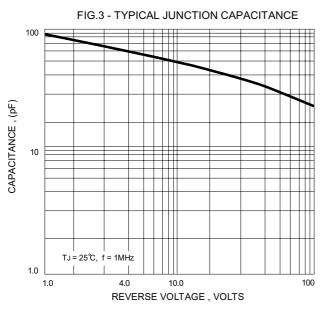


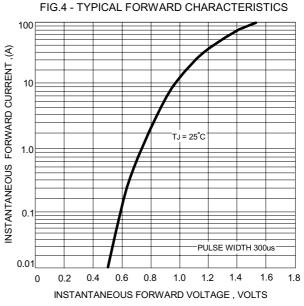
DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	1.170	1.190	29.70	30.30	
В	.780	.800	19.70	20.30	
C	.670	.710	17.00	18.00	
D	.019	.019	4.70	4.90	
Е	.430	.440	10.80	11.20	
F	.090	.110	2.30	2.70	
Ð	.120	.130	3.10	3.40	
Н	.130	.150	3.40	3.80	
	.170	.190	4.40	4.80	
J	.100	.110	2.50	2.90	
K	.020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

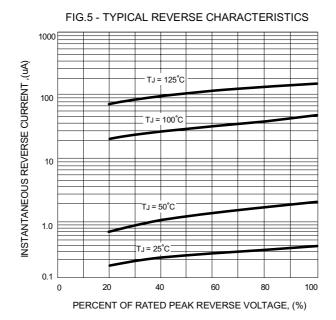














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Ordering Information:

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

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

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