



# Micro Commercial Components Corp.

Complete Discrete Semiconductor Solutions

Product Catalog > [Diodes](#) > [Bridge Rectifiers](#) >

Part Number	GBJ2504
product family	BRIDGE RECTIFIERS
package type	GBJ
VRM(PRV)	400V
Ifsm	350A
IF(AV)	25A
@Vf	1.05V
@If	12.5A
Trr	
IR	10μA
@VR	400V
Package Qty	Tube : 15pcs/Tube, 750pcs/Box, 1.5K/Ctn;

This product is listed under the following categories where you may find similar products:  
[Diodes](#)  
[Bridge Rectifiers](#)



Micro Commercial Components

# GBJ25005 THRU GBJ2512

## 25 Amp Glass Passivated Bridge Rectifier 50 to 1200 Volts

### 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.
- 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

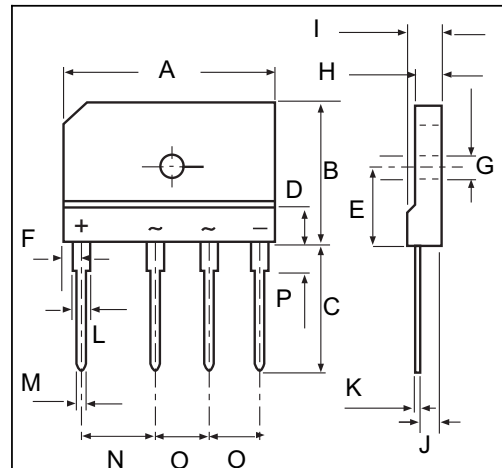
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GBJ25005	GBJ25005	50V	35V	50V
GBJ2501	GBJ2501	100V	70V	100V
GBJ2502	GBJ2502	200V	140V	200V
GBJ2504	GBJ2504	400V	280V	400V
GBJ2506	GBJ2506	600V	420V	600V
GBJ2508	GBJ2508	800V	560V	800V
GBJ2510	GBJ2510	1000V	700V	1000V </td
GBJ2512	GBJ2512	1200V	840V	1200V

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

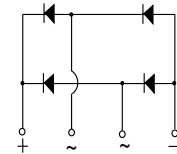
Average Forward Current	$I_{F(AV)}$	25 A	$T_c = 100^\circ\text{C}$
Peak Forward Surge Current	$I_{FSM}$	350A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	$V_F$	1.05V	$I_{FM} = 12.5\text{ A}$ $T_J = 25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	10 $\mu\text{A}$ 500 $\mu\text{A}$	$T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$
Typical thermal resistance	$R_{\theta JC}$	0.6°C/W	
Typical Junction Capacitance	$C_J$	85 pF	Measured at 1.0MHz, $V_R = 4.0\text{V}$

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

GBJ



DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	1.170	1.190	29.70	30.30	
B	.780	.800	19.70	20.30	
C	.670	.710	17.00	18.00	
D	.019	.019	4.70	4.90	
E	.430	.440	10.80	11.20	
F	.090	.110	2.30	2.70	
G	.120	.130	3.10	3.40	
H	.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	
L	.080	.090	2.00	2.40	
M	.040	.040	0.90	1.10	
N	.390	.400	9.80	10.20	
O	.290	.300	7.30	7.70	
P	.150	.170	3.80	4.20	



Case Type



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## Ordering Information

Device	Packing
(Part Number)-BP	Bulk; 15pcs/Tube

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