



Micro Commercial Components  
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# GBJ25005 THRU GBJ2510

## Features

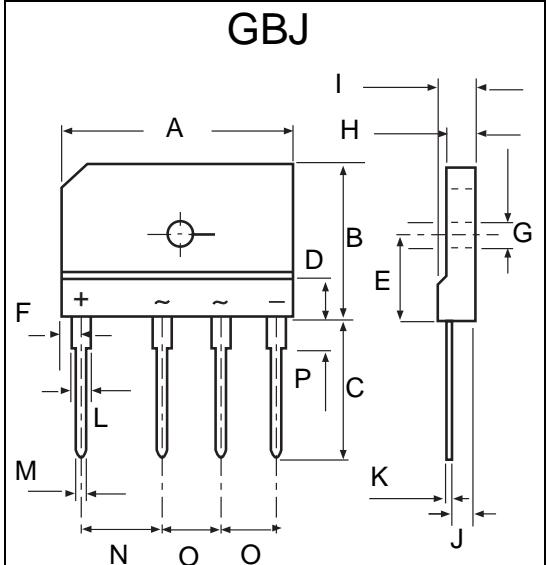
- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop, high current capability.
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product

## 25 Amp Glass Passivated Bridge Rectifier 50 to 1000 Volts

## Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

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



## Electrical Characteristics @ 25°C Unless Otherwise Specified

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

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
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	

\*Pulse Test: Pulse Width 300μsec, Duty Cycle 1%

**RATING AND CHARACTERISTIC CURVES**  
**GBJ25005 thru GBJ2510**

