

Micro Commercial Components

ROHS

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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GBJL10005 THRU GBJL1010

Features

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

Maximum Ratings

- UL Recognized File # E165989
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Mounting Torque: 5in-lbs.

MCC	Device	Maximum	Maximum	Maximum
Catalog	Marking	Reccurrent	RMS	DC
Number		Peak Reverse	Voltage	Blocking
		Voltage		Voltage
GBJL10005	GBJL10005	50V	35V	50V
GBJL1001	GBJL1001	100V	70V	100V
GBJL1002	GBJL1002	200V	140V	200V
GBJL1004	GBJL1004	400V	280V	400V
GBJL1006	GBJL1006	600V	420V	600V
GBJL1008	GBJL1008	800V	560V	800V
GBJL1010	GBJL1010	1000V	700V	1000V

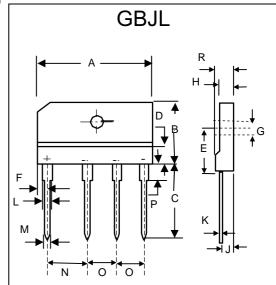
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward	I _{F(AV)}	10 A	Tc = 110°C
Current			
Peak Forward Surge	I _{FSM}	170A	8.3ms, half sine
Current			
Maximum			
Instantaneous	V_{F}	1.05V	I _{FM} =5.0A
Forward Voltage			T _J = 25°C
Maximum DC			
Reverse Current At	I_R	10 μ A	T _J = 25°C
Rated DC Blocking		500uA	T _J = 125°C
Voltage			
	Roja	22°C/W	Units mounted on PCB
Typical thermal	N⊙JA	22°0/00	without heatsink
resistance	R _{⊝JC}	1.4°C/W	Unit case mounted on Al plate heatsink
Typical Junction	С	55 pF	Measured at
Capacitance			1.0MHz, V _R =4.0V

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

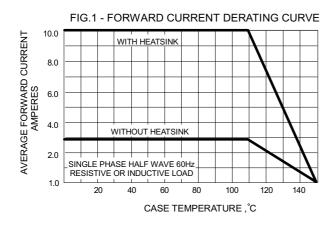
2. Pulse Test: Pulse Width 300usec, Duty Cycle 1%

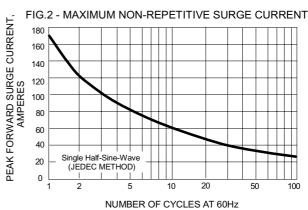
10 Amp Glass Passivated Bridge Rectifier 50 to 1000 Volts

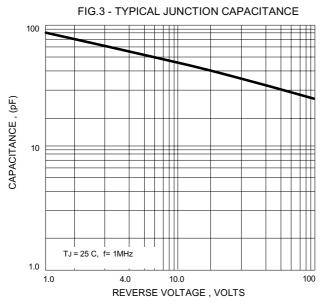


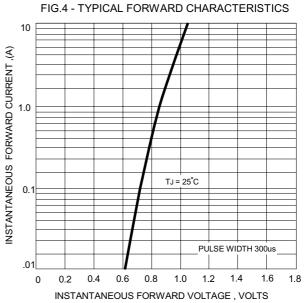
DIMENSIONS						
INCHES MM						
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	1.067	1.091	27.10	27.70		
В	.551	.575	14.00	14.60		
С	.570	.610	14.50	15.50		
D	.071 typ		1.80 typ			
Е	.339	.354	8.60	9.00		
F	.071	.087	1.80	2.20		
G	.120	.134	3.00	3.40		
Н	.110	.126	2.80	3.20		
J	.098	.114	2.50	2.90		
K	.012	.028	0.30	0.70		
L	.098	.114	2.50	2.90		
М	.035	.043	0.90	1.10		
N	.390	.400	9.80	10.20		
0	.290	.300	7.30	7.70		
Р	.079	.094	2.00	2.40		
R	.150	.157	3.60	4.00		
Case Type						

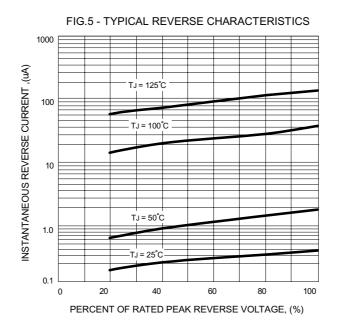
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Ordering Information:

Device	Packing	
Part Number-BP	Bulk: 2.2K/Ctn	

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

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