

ROHS

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Rating to 1000V PRV
- Low forward voltage drop, high current capability.
- Ideal for printed circuit board
- Halogen free available upon request by adding suffix "-HF"

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
GBJL20005	GBJL20005	50V	35V	50V
GBJL2001	GBJL2001	100V	70V	100V
GBJL2002	GBJL2002	200V	140V	200V
GBJL2004	GBJL2004	400V	280V	400V
GBJL2006	GBJL2006	600V	420V	600V
GBJL2008	GBJL2008	800V	560V	800V
GBJL2010	GBJL2010	1000V	700V	1000V

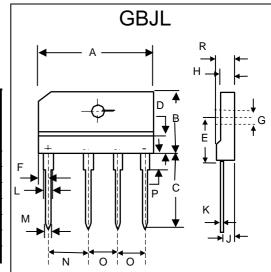
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	20 A	Tc = 100°C
Peak Forward Surge	I _{FSM}	240A	8.3ms, half sine
Current			
Maximum			I _{FM} = 10.0 A
Instantaneous	V_{F}	1.05V	1FM - 10.0 A
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			
Typical thermal			
resistance	$R_{\Theta JC}$	0.8°C/W	
Typical Junction	CJ	60 pF	Measured at
Capacitance			1.0MHz, V_R =4.0V

^{*}Pulse Test: Pulse Width 300µsec, Duty Cycle 1%

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

20 Amp Glass Passivated Bridge Rectifier 50 to 1000 Volts

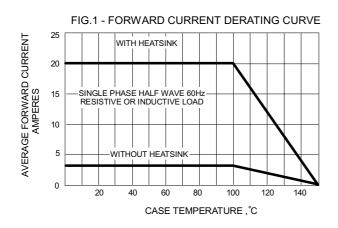


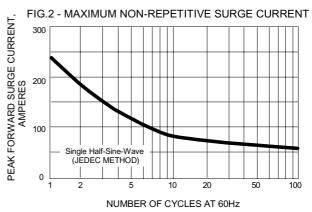
DIMENSIONS					
	INCHES		ММ		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	1.067	1.091	27.10	27.70	
В	.551	.575	14.00	14.60	
С	.570	.610	14.50	15.50	
D	.071	.071 typ		1.80 typ	
Е	.339	.354	8.60	9.00	
F	.071	.087	1.80	2.20	
G	.120	.134	3.00	3.40	
Н	.110	.126	2.80	3.20	
J	.098	.114	2.50	2.90	
K	.012	.028	0.30	0.70	
L	.098	.114	2.50	2.90	
M	.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	

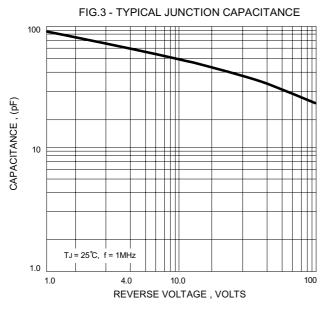


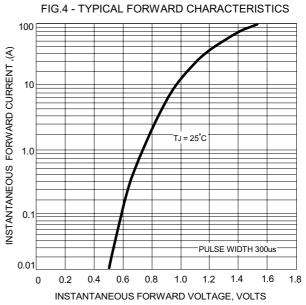
RATING AND CHARACTERISTIC CURVES GBJL20005 thru GBJL2010



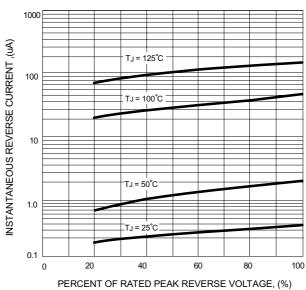














Ordering Information:

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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