

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 (818) 701-4939 Fax:

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)

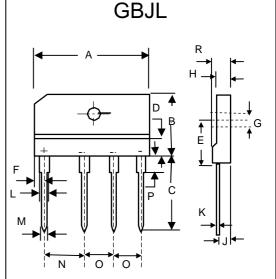
Maximum Ratings

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

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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		

GBJL10005 THRU **GBJL1010**

10 Amp Glass Passivated Bridge Rectifier 50 to 1000 Volts



DIMENSIONS

MAX

1.091

.575

.610

.354

.087

134

.126

.114

028

.114

.043

.400

300

.094

MM

MAX

27.70

14.60

15.50

9.00

2.20

3.40

3.20

2.90

0.70

2.90

1.10

10.20

7.70

2.40

4 00

NOTE

MIN

27.10

14.00

14.50

8.60

1.80

3.00

2.80

2.50

0.30

2.50

0.90

9.80

7.30

2.00

3.60

Case Type

1.80 typ

INCHES

MIN

1.067

.551

.570

.339

.071

.120

.110 .098

.012

.098

.035

390

.290

.079

150

.071 typ

DIN

Α

В

D

E

G

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Μ

Ν

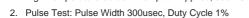
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R

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	10 A	Tc = 110°C	
Peak Forward Surge Current	I _{FSM}	170A	8.3ms, half sine	
Maximum Instantaneous Forward Voltage	V _F	1.05V	I⊧м=5.0A TJ = 25°C	
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	10 μA 500uA	TJ = 25°C TJ = 125°C	
Typical thermal	R_{OJA}	22°C/W	Units mounted on PCB without heatsink	
resistance	$R_{\Theta JC}$	1.4°C/W	Unit case mounted on Al plate heatsink	
Typical Junction Capacitance	CJ	55 pF	Measured at 1.0MHz, V _R =4.0V	
Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7				

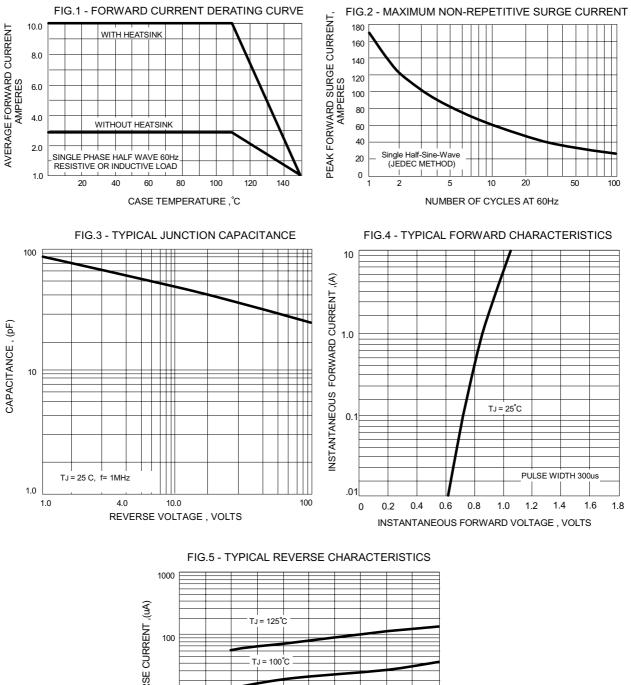


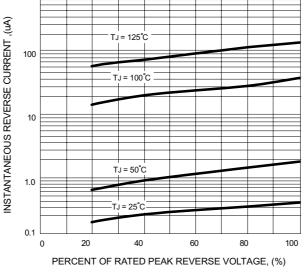
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RATING AND CHARACTERISTIC CURVES GBJL10005 thru GBJL1010







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Ordering Information :

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

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

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