

Micro Commercial Components



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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
- Ideal for printed circuit board
- Low forward voltage drop, high current capability.
- UL Recognized File # E165989
- Halogen free available upon request by adding suffix "-HF"

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- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Mounting torque: 5in-lbs.

MCC	Device	Maximum	1aximum Maximum	
Catalog	Marking	Reccurrent	RMS	DC
Number		Peak Reverse	Voltage	Blocking
		Voltage		Voltage
GBJ20005	GBJ20005	50V	35V	50V
GBJ2001	GBJ2001	100V	70V	100V
GBJ2002	GBJ2002	200V	140V	200V
GBJ2004	GBJ2004	400V	280V	400V
GBJ2006	GBJ2006	600V	420V	600V
GBJ2008	GBJ2008	800V	560V	800V
GBJ2010	GBJ2010	1000V	700V	1000V

Flectrical Characteristics @ 25°C IInless Atherwise Snecified

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Average Forward Current	I _{F(AV)}	20 A	Tc = 100°C	
Peak Forward Surge Current	I _{FSM}	240A	8.3ms, half sine	
Maximum Instantaneous Forward Voltage	V _F	1.05V	I _{FM} = 10.0 A T _J = 25°C	
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	10 μA 500uA	TJ = 25°C TJ = 125°C	
Typical thermal resistance	R _{ojc}	0.8°C/W		
Typical Junction Capacitance	CJ	60 pF	Measured at 1.0MHz, V _R =4.0V	

GBJ20005 THRU

GBJ2010

20 Amp **Glass Passivated**

Bridge Rectifier 50 to 1000 Volts



INCHES MM NOTE DIM MIN MAX MIN MAX 1.170 1.190 29.70 А 30.30 В .780 .800 19.70 20.30 .670 .710 17.00 18.00 D .019 .019 4.70 4.90 .440 10.80 11.20 .430 <u>2.7</u>0 .090 .110 2.30 3.40 G 120 130 3.10 Н .130 .150 3.40 3.80 Т .170 .190 4.40 4.80 .100 .110 2.50 2.90 0.60 0.80 .020 .030 .080 .090 2.00 2.40 .040 .400 Μ .040 0.90 1.10 N 390 9.80 10.20 290 .300 0 7.30 7.70 150 3.80 4 20

'Pulse Test: Pulse Width 300μsec, Duty Cycle 1% Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7.

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RATING AND CHARACTERISTIC CURVES GBJ20005 thru GBJ2010



INSTANTANEOUS FORWARD VOLTAGE, VOLTS





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Ordering Information :

Device	Packing	
Part Number-BP	Bulk: 750pcs/Box	

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

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