



Micro Commercial Components



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GBJ2508L

Features

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

Maximum Ratings

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

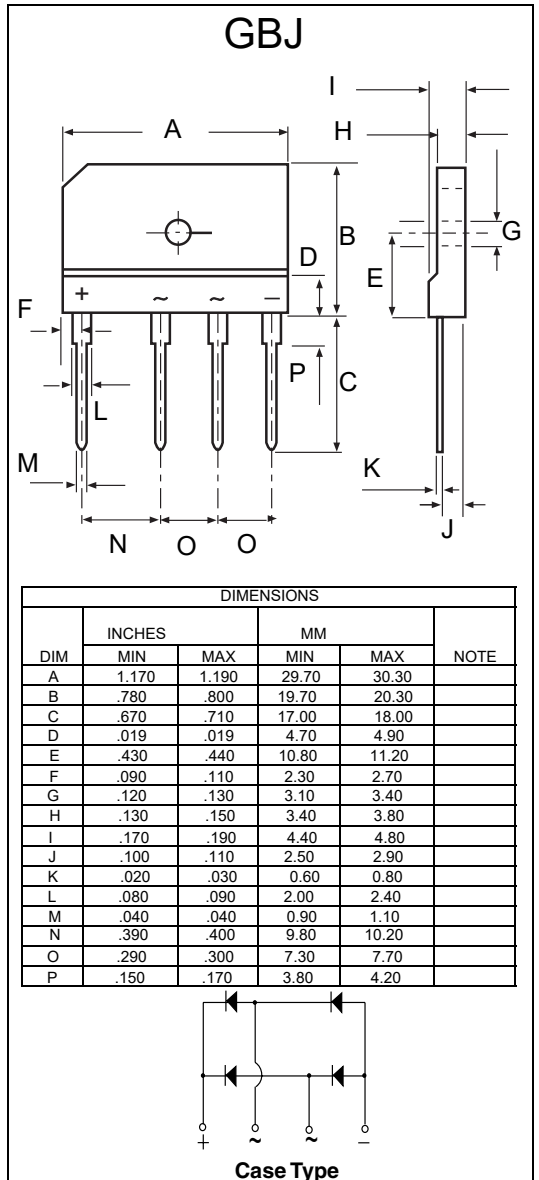
MCC Catalog Number	Device Marking	Maximum Reccurent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GBJ2508L	GBJ2508L	800V	560V	800V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	IF(AV)	25 A	Tc = 87°C
Peak Forward Surge Current	IFSM	420A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	VF	0.88V(Typ.) 0.92V(Max) 0.85V(Max)	IFM = 12.5 A TJ = 25°C TJ = 125°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	IR	5µA 500µA	TJ = 25°C TJ= 125°C
I ² t Rating for fusing	I ² t	732A ² S	(t<8.3ms)
Typical thermal resistance, With heatsink	RθJ-C RθJ-A	1.2°C/W 5.6°C/W	
Typical Junction Capacitance	CJ	270 pF	Measured at 1.0MHz, VR=4.0V

Notes1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7a

25 Amp Glass Passivated Bridge Rectifier 800 Volts



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Typical Characteristics

FIG1: I_o - T_c Curve

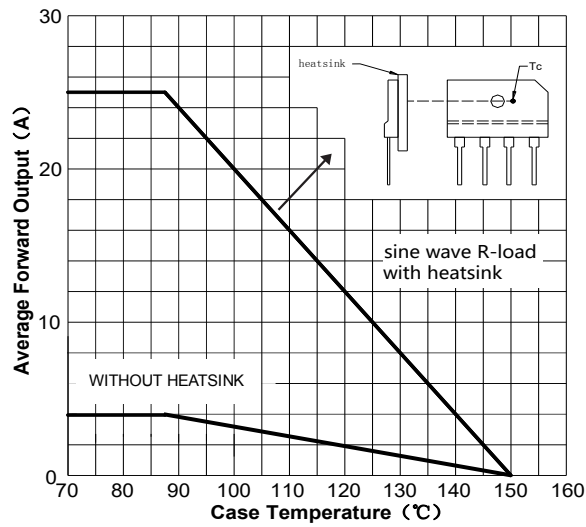


FIG2: Surge Forward Current Capability

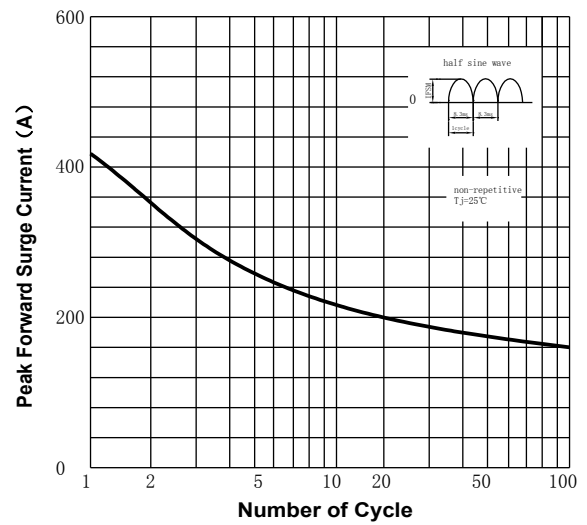


FIG.3 - Typical Junction Capacitance

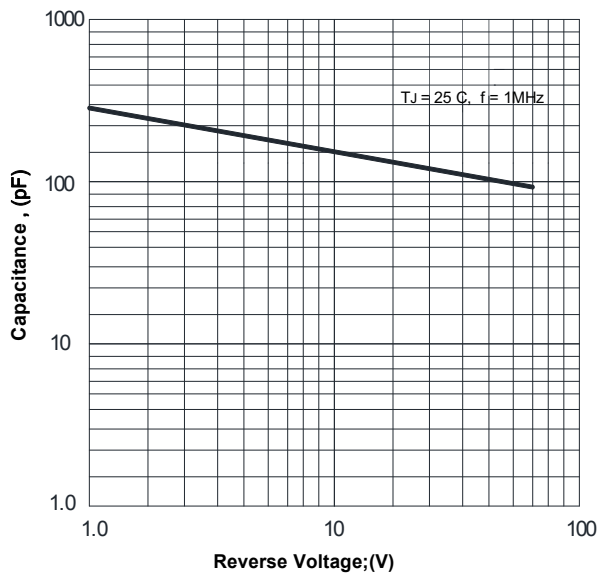


FIG4: Typical Forward Voltage

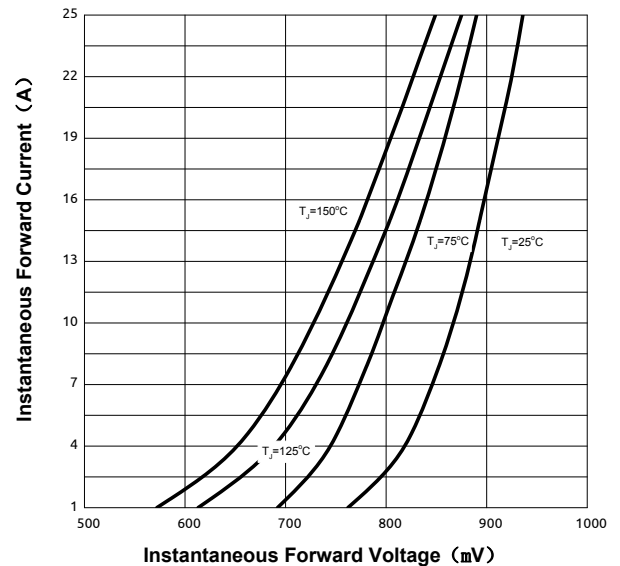
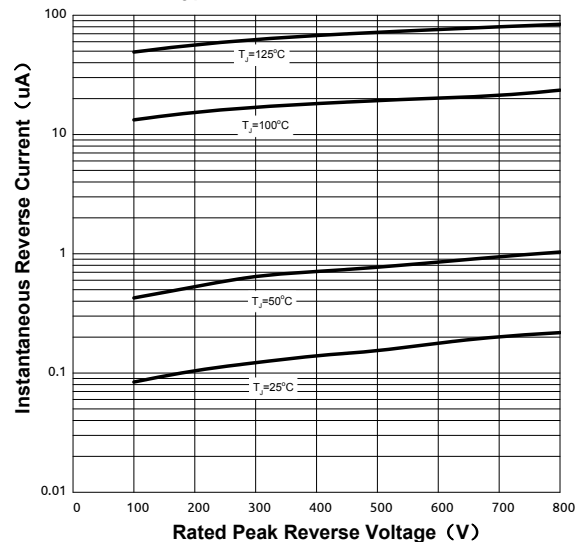


FIG5: Typical Reverse Characteristics





Ordering Information :

Device	Packing
Part Number-BP	Bulk: 1.5K/Ctn

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

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