



Micro Commercial Components



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**G2SB20
THRU
G2SB80**

Features

- High case dielectric strength and High surge current capability
- Glass passivated chip junction
- Lead Free Finish/RoHS(NOTE 1)Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Marking : type number

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

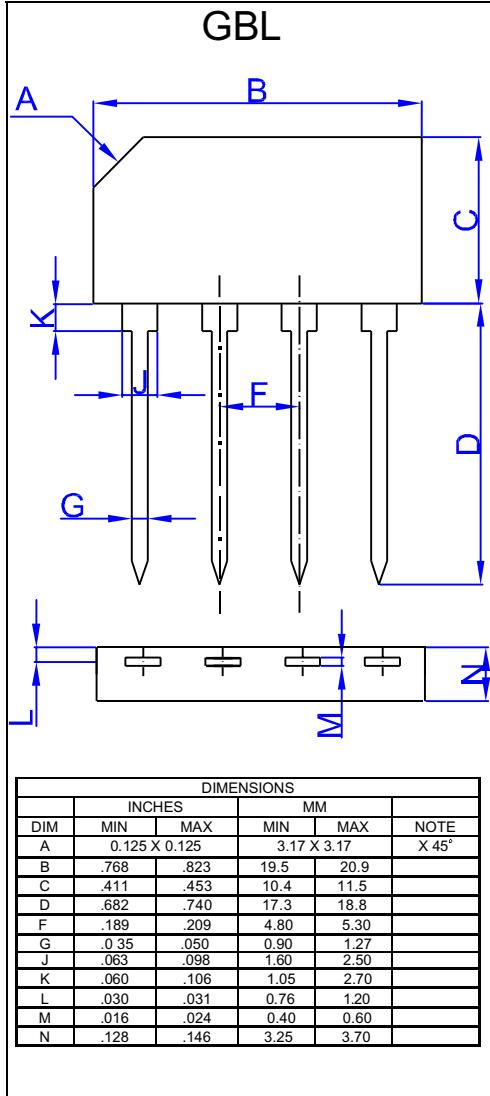
| MCC Part Number | Maximum Recurrent Peak Reverse Voltage | Maximum RMS Voltage | Maximum DC Blocking Voltage |
|-----------------|--|---------------------|-----------------------------|
| G2SB20 | 200V | 140V | 200V |
| G2SB60 | 600V | 420V | 600V |
| G2SB80 | 800V | 560V | 800V |

Electrical Characteristics @ 25°C Unless Otherwise Specified

| | | | |
|---|--------------------------------|----------------------------------|---|
| Maximum Average Forward Current | $I_{F(AV)}$ | 2 A | $T_A = 25^\circ C$ |
| Peak Forward Surge Current | I_{FSM} | 60A | 8.3ms, half sine |
| Rating for fusing | I^2t | $15A^2\text{sec}$ | $t < 8.3\text{ms}$ |
| Maximum Instantaneous Forward Voltage | V_F | 1.1V | $I_{FM} = 1A$ $T_A = 25^\circ C$ |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | I_R | 5.0uA 300uA | $T_A = 25^\circ C$ $T_A = 125^\circ C$ |
| Typical thermal resistance per leg | $R_\theta JA$ $R_\theta JL$ | $40^\circ C/W$ $12^\circ C/W$ | |

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

**2 Amp
Glass Passivated
Single-Phase
Rectifiers
200 to 800 Volts**



G2SB20 thru G2SB80

Fig. 1 - Derating Curve Output Rectified Current

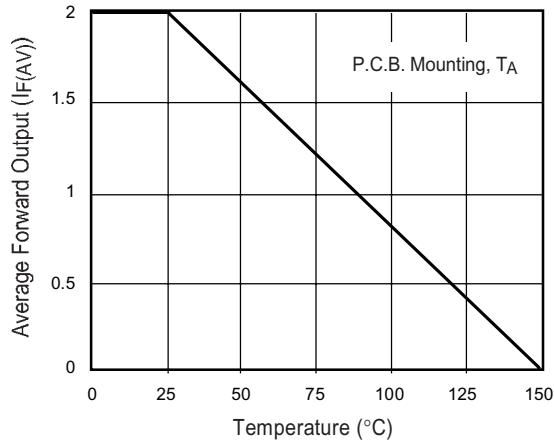


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current Per Leg

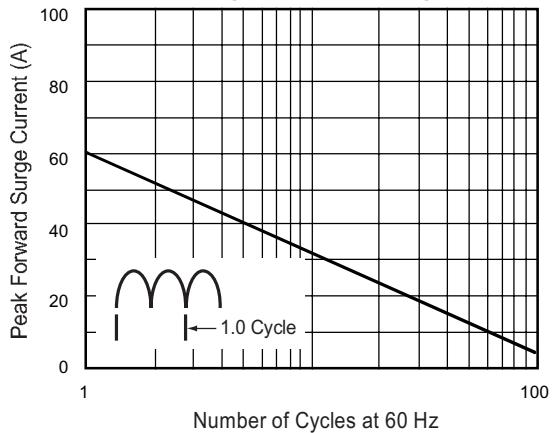


Fig. 3 - Typical Instantaneous Forward Characteristics

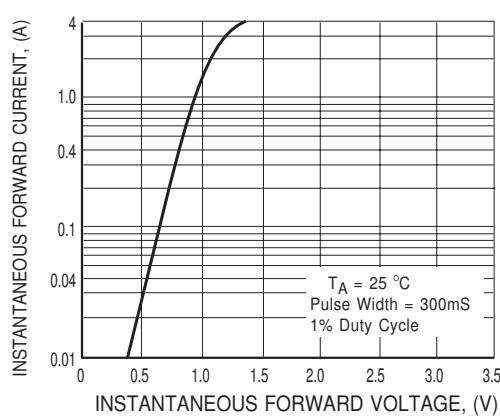
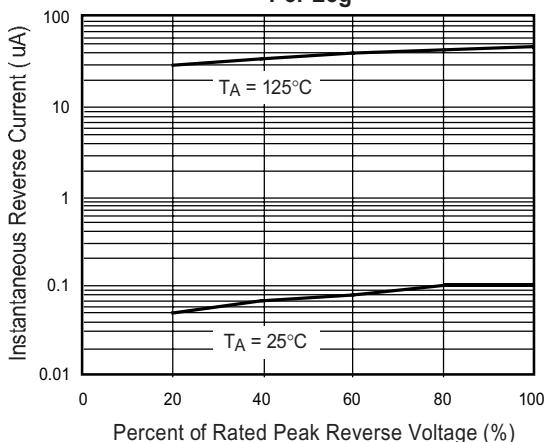


Fig. 4 - Typical Reverse Characteristics Per Leg





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Ordering Information

| Device | Packing |
|------------------|---------------------------------|
| (Part Number)-BP | Bulk: 1.35Kpcs/Box, 2.7Kpcs/Ctn |

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