



Micro Commercial Components



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GBJ10005 THRU GBJ1010

10 Amp Glass Passivated Bridge Rectifier 50 to 1000 Volts

Features

- 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

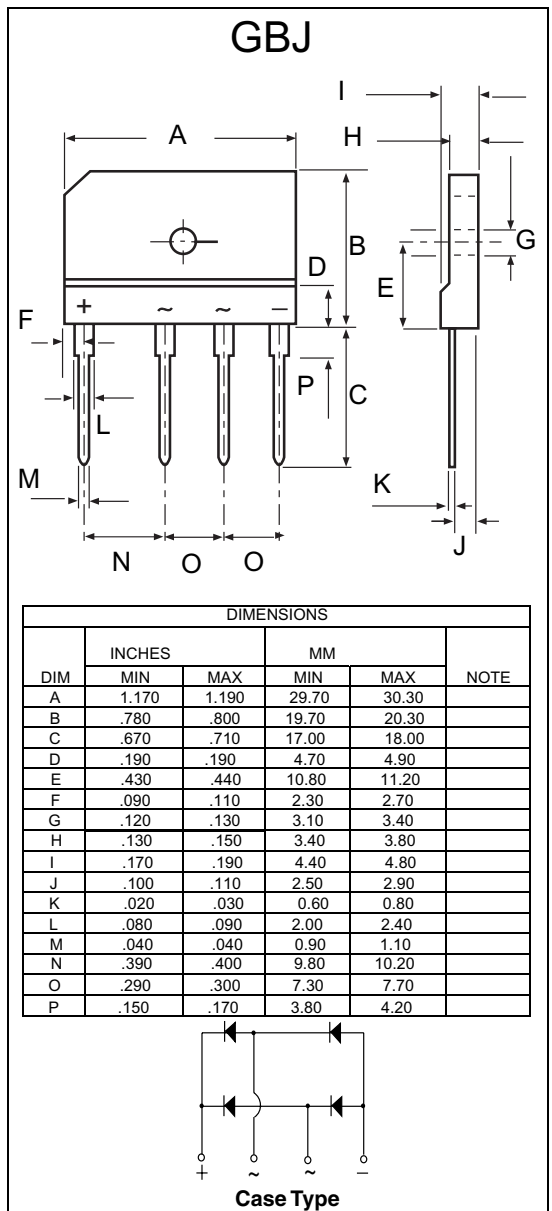
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- UL Recognized File # E165989; Mounting Torque: 5in-lbs.

| MCC Catalog Number | Device Marking | Maximum Reccurent Peak Reverse Voltage | Maximum RMS Voltage | Maximum DC Blocking Voltage |
|--------------------|----------------|--|---------------------|-----------------------------|
| GBJ10005 | GBJ10005 | 50V | 35V | 50V |
| GBJ1001 | GBJ1001 | 100V | 70V | 100V |
| GBJ1002 | GBJ1002 | 200V | 140V | 200V |
| GBJ1004 | GBJ1004 | 400V | 280V | 400V |
| GBJ1006 | GBJ1006 | 600V | 420V | 600V |
| GBJ1008 | GBJ1008 | 800V | 560V | 800V |
| GBJ1010 | GBJ1010 | 1000V | 700V | 1000V |

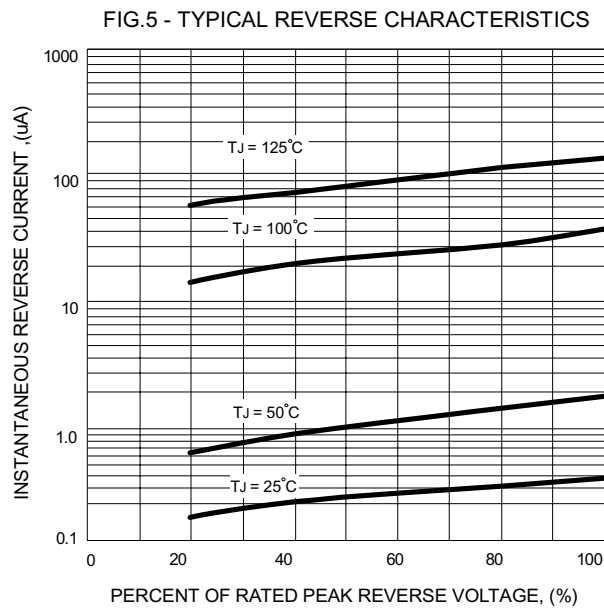
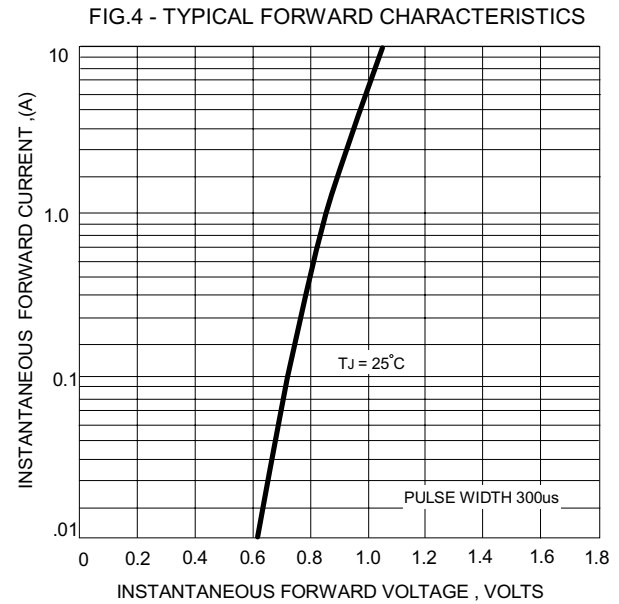
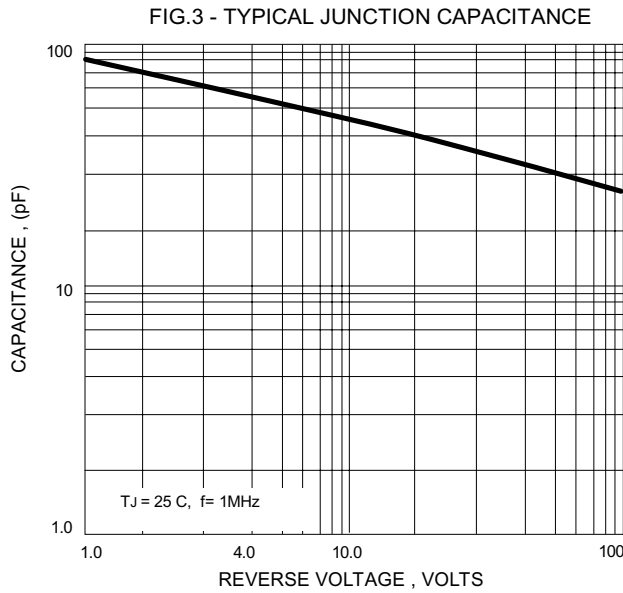
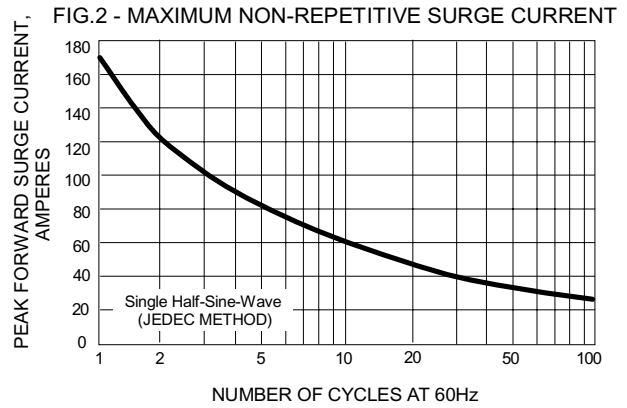
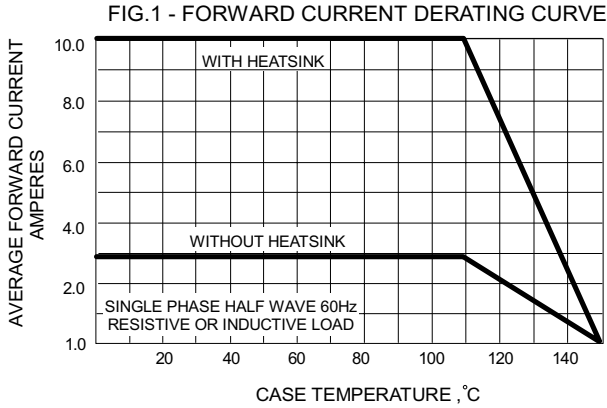
Electrical Characteristics @ 25°C Unless Otherwise Specified

| | | | |
|---|-----------------|---------------------------|---|
| Average Forward Current | $I_{F(AV)}$ | 10 A | $T_c = 110^\circ\text{C}$ |
| Peak Forward Surge Current | I_{FSM} | 170A | 8.3ms, half sine |
| Maximum Instantaneous Forward Voltage | V_F | 1.05V | $I_{FM} = 5.0A$ $T_J = 25^\circ\text{C}$ |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | I_R | 10 μA 500uA | $T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$ |
| Typical thermal resistance | $R_{\theta JC}$ | 1.4°C/W | |
| Typical Junction Capacitance | C_J | 55 pF | Measured at 1.0MHz, $V_R=4.0V$ |

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



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Ordering Information :

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

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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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