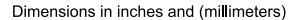




**Voltage Range**  
**50 to 1000 Volts**  
**Current**  
**2.0 Amperes**

- UL Recognized File #230084
- Surge overload rating - 50 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- Mounting position:Any



Rating at 25°C ambient temperature unless otherwise specified.  
Resistive or inductive load, 50Hz.  
For capacitive load, derate current by 20%

| Type Number                                                                                                      |                    | GBJ<br>KBJ<br>2005 | GBJ<br>KBJ<br>201 | GBJ<br>KBJ<br>202 | GBJ<br>KBJ<br>204 | GBJ<br>KBJ<br>206 | GBJ<br>KBJ<br>208 | GBJ<br>KBJ<br>210 | UNITS    |
|------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------|
| Maximum Repetitive Peak Reverse Voltage                                                                          | V <sub>RRM</sub>   | 50                 | 100               | 200               | 400               | 600               | 800               | 1000              | V        |
| Maximum RMS Bridge Voltage                                                                                       | V <sub>RMS</sub>   | 35                 | 70                | 140               | 280               | 420               | 560               | 700               | V        |
| Maximum DC Blocking Voltage                                                                                      | V <sub>DC</sub>    | 50                 | 100               | 200               | 400               | 600               | 800               | 1000              | V        |
| Maximum Average Forward Rectified Current @T <sub>A</sub> = 50° C                                                | I <sub>F(AV)</sub> | 2.0                |                   |                   |                   |                   |                   |                   | A        |
| Peak Forward Surge Current<br>8.3ms single half sine-wave<br>super imposed on rated load                         | I <sub>FSM</sub>   | 50.0               |                   |                   |                   |                   |                   |                   | A        |
| Maximum Instantaneous Forward Voltage Drop<br>per Leg @1.0A                                                      | V <sub>F</sub>     | 1.0                |                   |                   |                   |                   |                   |                   | V        |
| Maximun Reverse Current at Rated @T <sub>A</sub> = 25° C<br>DC Blocking Voltage per Leg @T <sub>A</sub> = 100° C | I <sub>R</sub>     | 5<br>1.0           |                   |                   |                   |                   |                   |                   | uA<br>mA |
| Operating Temperature Range                                                                                      | T <sub>J</sub>     | -55 to+125         |                   |                   |                   |                   |                   |                   | °C       |
| Storage Temperature Range                                                                                        | T <sub>STG</sub>   | -55 to+150         |                   |                   |                   |                   |                   |                   | °C       |