

GBJ10005 thru **GBJ1010**

10.0 A Single-Phase Silicon Bridge Rectifier Rectifier Reverse Voltage 50 to 1000V

Features

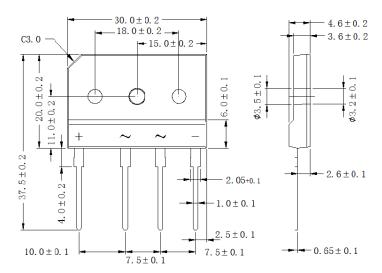
- Ideal for printed circuit board mounting
- This series is UL listed under the Recognized Component Index, file number E484648
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- Built-in printed circuit board stand-offs
- High case dielectric strength
- High temperature soldering guaranteed 260 ℃/5 seconds at 5 lbs (2.3kg) tension

Mechanical Data

Case: Reliable low cost construction utilizing molded plastic technique

Terminals: Plated leads solderable per MIL-STD-202,

Method 208 Mounting Position: Any



Dimensions in inches and (milimeters)

Maximum Ratings & Thermal CharacteristicsRating at 25 °C ambient temperature unless otherwise specified, Resistive or Inductive load, 60 Hz. For Capacitive load derate current by 20%.

| SYMBOL | GBJ 10005 | GBJ 1001 | GBJ 1002 | GBJ 1004 | GBJ 1006 | GBJ 1008 | GBJ 1010 | UNIT |
|----------|--|-------------|-----------------------|------------------------------|---|---|-------------|--|
| VRRM | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| VRMS | 30 | 70 | 140 | 280 | 420 | 560 | 700 | V |
| VDC | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Land | 10.0 2.5 | | | | | | | А |
| I(AV) | | | | | | | | |
| | | | | | | | | |
| IFSM 200 | | | | | | | Α | |
| | | | | | | | | |
| VF | 1.1 | | | | | | V | |
| 1- | 10 | | | | | | | |
| IR | ^{IR} 500 | | | | | | | uA |
| Rejc | 2.3 | | | | | | | °C/W |
| TJ | -55 to +150 | | | | | | | $^{\circ}\!\mathbb{C}$ |
| Tstg | -55 to +150 | | | | | | | °C |
| | VRRM VRMS VDC I(AV) IFSM VF IR Rejc TJ | VRM | SYMBOL 10005 1001 | SYMBOL 10005 1001 1002 | SYMBOL 10005 1001 1002 1004 VRRM 50 100 200 400 VRMS 30 70 140 280 VDC 50 100 200 400 I(AV) 2.5 IFSM 200 VF 1.1 IR 500 ReJC 2.3 TJ -55 to +15 | SYMBOL 10005 1001 1002 1004 1006 VRRM 50 100 200 400 600 VRMS 30 70 140 280 420 VDC 50 100 200 400 600 I(AV) 2.5 IFSM 200 VF 1.1 IR 500 ReJC 2.3 TJ -55 to +150 | Var | SYMBOL 10005 1001 1002 1004 1006 1008 1010 VRRM 50 100 200 400 600 800 1000 VRMS 30 70 140 280 420 560 700 VDC 50 100 200 400 600 800 1000 I(AV) 2.5 200 VF 1.1 10 500 Reuc 2.3 2.3 -55 to +150 |

NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

2.Device mounted on 300mm*300mm*1.6mm cu plate heatsink.

Rating and Characteristic Curves (TA=25°C Unless otherwise noted) GBJ10005 thru GBJ1010

