

# **GBJ15005** thru **GBJ1510**

# 15.0 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 °C/5 seconds at 5 lbs (2.3kg) tension

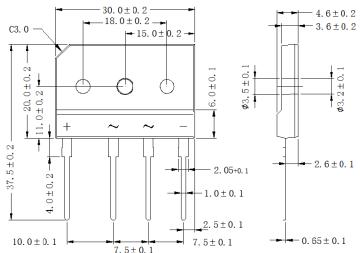
#### **Mechanical Data**

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 Characteristics**Rating at 25°C ambient temperature unless otherwise specified, Resistive or Inductive load, 60 Hz. For Capacitive load derate current by 20%.

SYMBOL	GBJ 15005	GBJ	GBJ	GBJ	OD I			
		1501	1502	1504	GBJ 1506	GBJ 1508	GBJ 1510	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	15.0 3.2							А
I(AV)								
IFSM 220							Α	
VF	1.1						V	
lo.	10							uA
500								
Rejc	1.5							°C/W
TJ	-55 to +150							$^{\circ}\!\mathbb{C}$
Tstg	-55 to +150							$^{\circ}\!\mathbb{C}$
	VDC I(AV) IFSM VF IR ReJC TJ	VRMS 30 VDC 50 I(AV) IFSM VF IR ReJC TJ	VRMS 30 70 VDC 50 100  I(AV)  IFSM  VF  IR  ReJC  TJ	VRMS 30 70 140 VDC 50 100 200  I(AV)  IFSM  VF  IR  ReJC  TJ  -5	VRMS 30 70 140 280  VDC 50 100 200 400  I(AV) 3.2  IFSM 220  VF 1.1  IR 500  ReJC 1.5 to +15	VRMS         30         70         140         280         420           VDC         50         100         200         400         600           I(AV)         3.2           IFSM         220           VF         1.1           IR         500           ReJC         1.5           TJ         -55 to +150	VRMS         30         70         140         280         420         560           VDC         50         100         200         400         600         800           I(AV)         3.2           IFSM         220           VF         1.1           IR         500           ReJC         1.5           TJ         -55 to +150	VRMS         30         70         140         280         420         560         700           VDC         50         100         200         400         600         800         1000           I(AV)         3.2           IFSM         220           VF         1.1           IR         500           ReJC         1.5           TJ         -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)

