

GBJ25005 thru **GBJ2510**

25.0 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

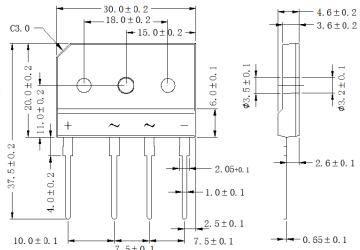
Mechanical Data

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

SYMBOL	GBJ 25005	GBJ 2501	GBJ 2502	GBJ 2504	GBJ 2506	GBJ 2508	GBJ 2510	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	25.0 3.5							А
I(AV)								
IFSM 350							Α	
VF	1.1						V	
-D	10							uA
500								
Rejc	1.0							°C/W
TJ	-55 to +150							$^{\circ}$
Тѕтс	-55 to +150							$^{\circ}$
	VRRM VRMS VDC I(AV) IFSM VF IR Rejc TJ	VRRM 50 VRMS 30 VDC 50 I(AV) IFSM VF IR Rejic Tj Tj Tj Tj Tj Tj Tj T	VRRM 50 100 VRMS 30 70 VDC 50 100 I(AV) IFSM VF IR Rejc TJ TJ TJ TJ TJ TJ TJ T	SYMBOL 25005 2501 2502	SYMBOL 25005 2501 2502 2504 VRRM 50 100 200 400 VRMS 30 70 140 280 VDC 50 100 200 400 I(AV) 25.0 3.5 IFSM 350 VF 1.1 IR 10 500 500 ReJC 1.0 TJ -55 to +15	SYMBOL 25005 2501 2502 2504 2506 VRRM 50 100 200 400 600 VRMS 30 70 140 280 420 VDC 50 100 200 400 600 I(AV) 3.5 IFSM 350 VF 1.1 IR 500 ReJC 1.0 TJ -55 to +150	SYMBOL 25005 2501 2502 2504 2506 2508 VRRM 50 100 200 400 600 800 VRMS 30 70 140 280 420 560 VDC 50 100 200 400 600 800 I(AV) 3.5 350 VF 1.1 10 500 ReJC 1.0 -55 to +150	Ver

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) GBJ25005 thru GBJ2510

