GBJ/KBJ35005 thru GBJ/KBJ3510

35.0 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

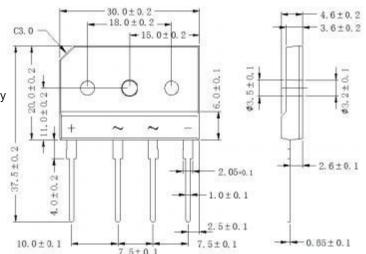
Mechanical Data

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%.

CHARACTERISTICS	SYMBOL	GBJ/KBJ 35005	GBJ/KBJ 3501	GBJ/KBJ 3502	GBJ/KBJ 3504	GBJ/KBJ 3506	GBJ/KBJ 3508	GBJ/KBJ 3510	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	30	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward (with heatsink Note 2) Rectified Current @ Tc=100 ℃ (without heatsink)	I(AV)	35.0 3.5							A
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	400							A
Maximum Forward Voltage at 10.0 A DC	VF	1.1							V
Maximum DC Reverse Current @ TJ=25 ℃ at Rated DC Blocking Voltage @ TJ=125 ℃	lR	10 500							uA
Typical Thermal Resistance (Note2)	Rejc	1.5							°C/W
Operating Temperature Range	TJ	-55 to +150							$^{\circ}$
Storage Temperature Range	Tstg	-55 to +150							$^{\circ}$

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

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

Rating and Characteristic Curves (TA= 25° c Unless otherwise noted) GBJ/KBJ35005 thru GBJ/KBJ3510

