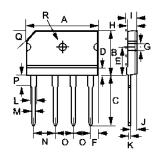
GBJ35005 thru GBJ3510

Single Phase Bridge Rectifiers



| | VRRM | VRMS | VDC |
|----------|------|------|------|
| | V | V | V |
| GBJ35005 | 50 | 35 | 50 |
| GBJ3501 | 100 | 70 | 100 |
| GBJ3502 | 200 | 140 | 200 |
| GBJ3504 | 400 | 280 | 400 |
| GBJ3506 | 600 | 420 | 600 |
| GBJ3508 | 800 | 560 | 800 |
| GBJ3510 | 1000 | 700 | 1000 |

Dimensions GBJ(RS6M)



| GBJ | | | | | |
|------------------------------|-------------|--------|--|--|--|
| DIM. | MIN. | MAX. | | | |
| Α | 29.70 | 30.30 | | | |
| 8 | 19.70 | 20.30 | | | |
| С | 17.0 | 18.0 | | | |
| D | 4.70 | 4.90 | | | |
| E | 10.80 | 11.20 | | | |
| F | 2.30 | 2.70 | | | |
| G | 3.10 | 3.40 | | | |
| Н | 3.40 | 3.80 | | | |
| i | 4.40 | 4.80 | | | |
| J | 2.50 | 2.90 | | | |
| К | 0.60 | 0.80 | | | |
| L | 2.00 | 2.40 | | | |
| M | 0.90 | 1.10 | | | |
| N | 9.80 | 10.20 | | | |
| 0 | 7.30 | 7.70 | | | |
| Р | 3.80 | 4.20 | | | |
| Q | (3.0) x 45° | | | | |
| R | 3.10 Ø | 3.40 Ø | | | |
| All Dimensions in millimeter | | | | | |

| Symbol | Characteristics | Maximum Ratings | Unit |
|------------------|--|-----------------|------------------|
| l(AV) | Maximum Average Forward (With Heatsink Note 2) Rectified Current @Tc=50°C (Without Heatsink) | 35.0 | Α |
| IFSM | Peak Forward Surge Current 8.3ms Single Half-Sine-Wave Superimposed On Rated Load (JEDEC METHOD) | 400 | А |
| VF | Maximum Forward Voltage At 17.5A DC | 1.1 | V |
| lR | Maximum DC Reverse Current @T_=25°C At Rated DC Blocking Voltage @T_=125°C | 5.0 500 | uA |
| l ² t | I ² t Rating For Fusing (t < 8.3 ms) | 660 | A ² S |
| C | Typical Junction Capacitance Per Element (Note 1) | 150 | pF |
| Rелс | Typical Thermal Resistance (Note 2) | 1.2 | °C/W |
| TJ | Operating Temperature Range | -55 to +150 | °C |
| Тѕтс | Storage Temperature Range | -55 to +150 | °C |

NOTES: 1. Measured At 1.0MHz And Applied Reverse Voltage Of 4.0V DC.

2. Device Mounted On 300mm x 300mm x 1.6mm Cu Plate Heatsink.

FEATURES

- * Rating to 1000V PRV
- * Ideal for printed circuit board
- * Low forward voltage drop, high current capability
- * Reliable low cost construction utilizing molded plastic technique results in inexpensive product

MECHANICAL DATA

- * Polarity: Symbols molded on body
- * Weight: 0.23 ounces, 6.6 grams
- * Mounting position: Any



GBJ35005 thru GBJ3510

Single Phase Bridge Rectifiers

