



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Micro Commercial Components

Micro Commercial Components
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GBJL35005 THRU GBJL3510

35 Amp Glass Passivated Bridge Rectifier 50 to 1000 Volts

Features

- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Low forward voltage drop, high current capability.
- Epoxy meets UL 94 V-0 flammability rating
- Ideal for printed circuit board
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

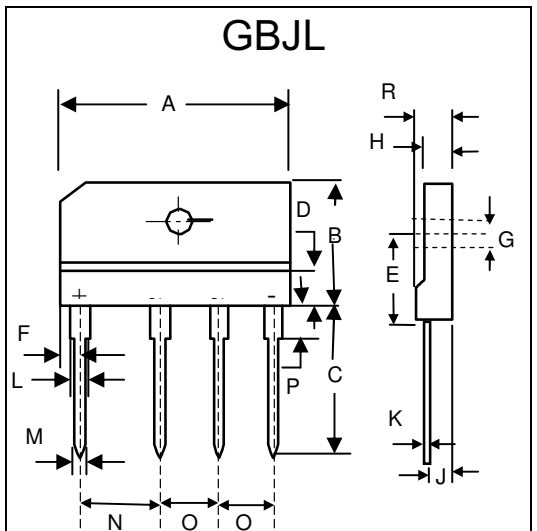
- Mounting Torque: 5 in-lbs Maximum
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- UL Recognized File # E165989

| MCC Catalog Number | Device Marking | Maximum Recurrent Peak Reverse Voltage | Maximum RMS Voltage | Maximum DC Blocking Voltage |
|--------------------|----------------|----------------------------------------|---------------------|-----------------------------|
| GBJL35005 | GBJL35005 | 50V | 35V | 50V |
| GBJL3501 | GBJL3501 | 100V | 70V | 100V |
| GBJL3502 | GBJL3502 | 200V | 140V | 200V |
| GBJL3504 | GBJL3504 | 400V | 280V | 400V |
| GBJL3506 | GBJL3506 | 600V | 420V | 600V |
| GBJL3508 | GBJL3508 | 800V | 560V | 800V |
| GBJL3510 | GBJL3510 | 1000V | 700V | 1000V |

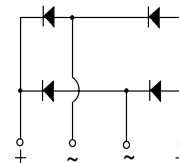
Electrical Characteristics @ 25°C Unless Otherwise Specified

| | | | |
|---------------------------------------------------------|-----------------|---------------------------|-------------------------------------------------------|
| Average Forward Current | $I_{F(AV)}$ | 35 A | $T_C = 100^\circ\text{C}$ |
| Peak Forward Surge Current | I_{FSM} | 350A | 8.3ms, half sine |
| Maximum Instantaneous Forward Voltage | V_F | 1.05V | $I_{FM} = 17.5\text{ A}$ $T_J = 25^\circ\text{C}$ |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | I_R | 10 μA 500uA | $T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$ |
| Typical thermal resistance | $R_{\theta JC}$ | 0.6°C/W | |
| Typical Junction Capacitance | C_J | 85 pF | Measured at 1.0MHz, $V_R=4.0\text{V}$ |

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7

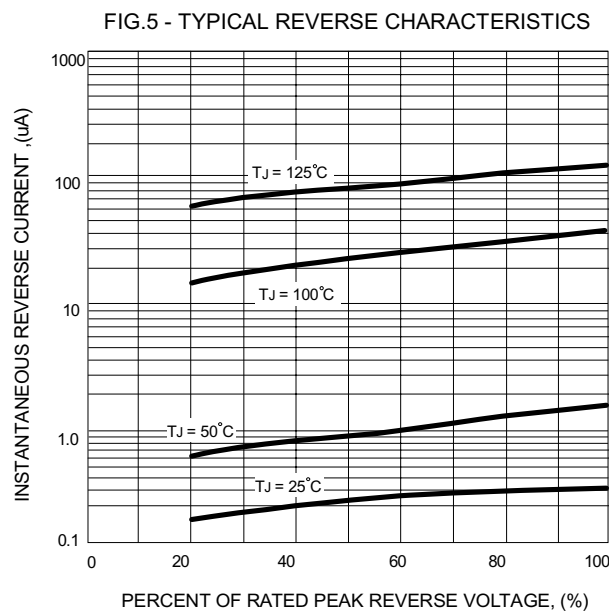
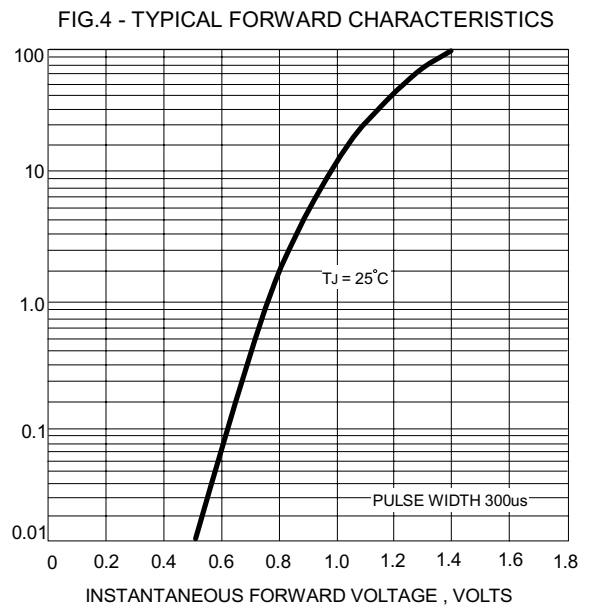
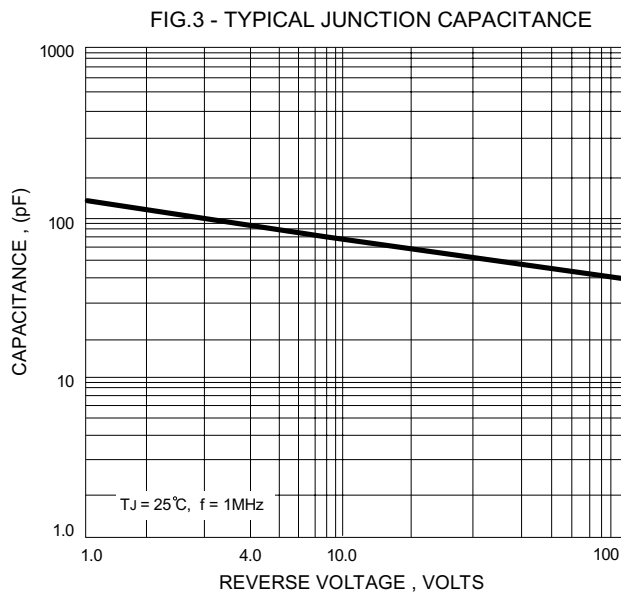
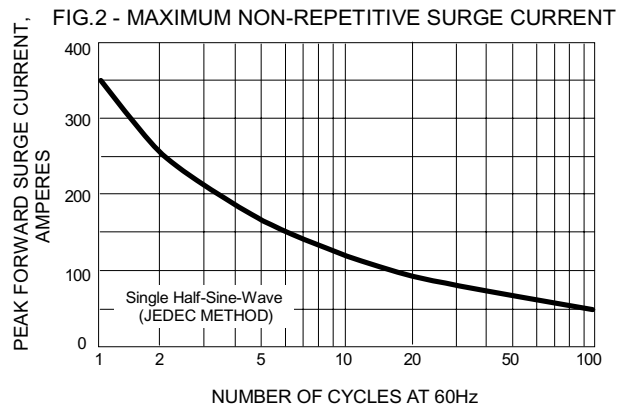
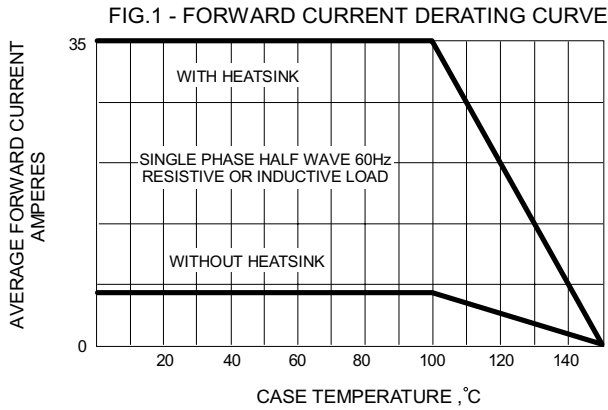


| DIM | INCHES | | MM | | NOTE |
|-----|----------|-------|----------|-------|------|
| | MIN | MAX | MIN | MAX | |
| A | 1.067 | 1.091 | 27.10 | 27.70 | |
| B | .551 | .575 | 14.00 | 14.60 | |
| C | .570 | .610 | 14.50 | 15.50 | |
| D | .071 typ | | 1.80 typ | | |
| E | .399 | .354 | 8.60 | 9.00 | |
| F | .071 | .087 | 1.80 | 2.20 | |
| G | .120 | .134 | 3.00 | 3.40 | |
| H | .110 | .126 | 2.80 | 3.20 | |
| J | .098 | .114 | 2.50 | 2.90 | |
| K | .012 | .028 | 0.30 | 0.70 | |
| L | .098 | .114 | 2.50 | 2.90 | |
| M | .035 | .043 | 0.90 | 1.10 | |
| N | .390 | .400 | 9.80 | 10.20 | |
| O | .290 | .300 | 7.30 | 7.70 | |
| P | .079 | .094 | 2.00 | 2.40 | |
| R | .150 | .157 | 3.60 | 4.00 | |



Case Type

RATING AND CHARACTERISTIC CURVES
GBJL35005 thru GBJL3510





Micro Commercial Components

Ordering Information :

| Device | Packing |
|----------------|----------------|
| Part Number-BP | Bulk: 2.2K/Ctn |

Note : Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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