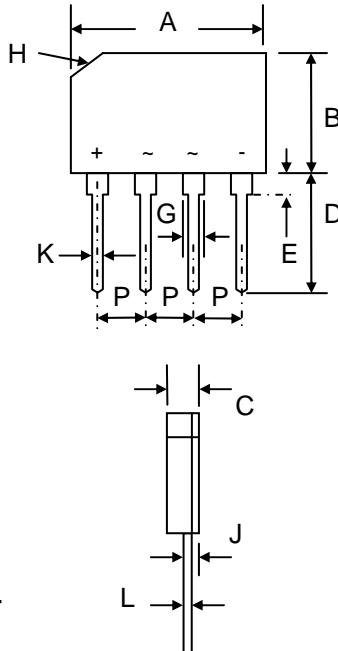


Features

- **Compact Package 3.5mm Case Thickness**
- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Reliability
- High Surge Current Capability
- Ideal for Printed Circuit Boards
-  Recognized File # E157705

Mechanical Data

- Case: GBP, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: As Marked on Body
- Weight: 1.7 grams (approx.)
- Mounting Position: Any
- Marking: Type Number
- **Lead Free: For RoHS / Lead Free Version, Add “-LF” Suffix to Part Number, See Page 4**



| GBP | | |
|-----|------------|-------|
| Dim | Min | Max |
| A | 14.00 | 15.00 |
| B | 10.20 | 11.50 |
| C | 3.00 | 4.00 |
| D | 13.80 | 15.50 |
| E | 1.80 | 2.70 |
| G | 1.15 | 1.45 |
| H | 2.80 x 45° | |
| J | 1.30 | 1.60 |
| K | 0.60 | 0.86 |
| L | 0.30 | 0.60 |
| P | 3.56 | 4.06 |

All Dimensions in mm

Maximum Ratings and Electrical Characteristics $\text{@T}_A=25^\circ\text{C}$ unless otherwise specified

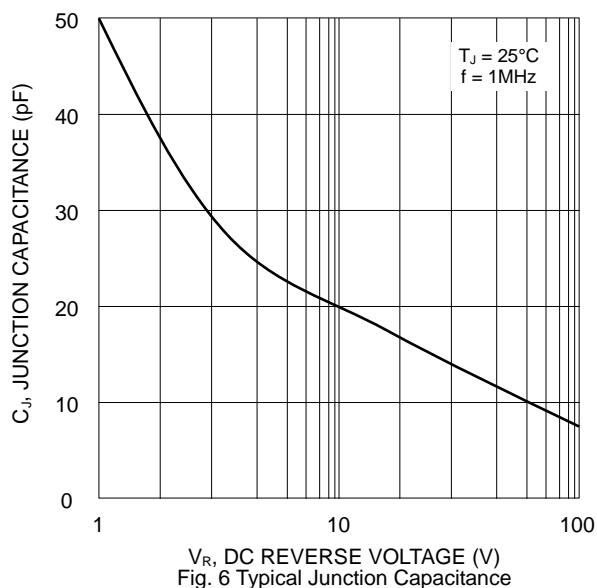
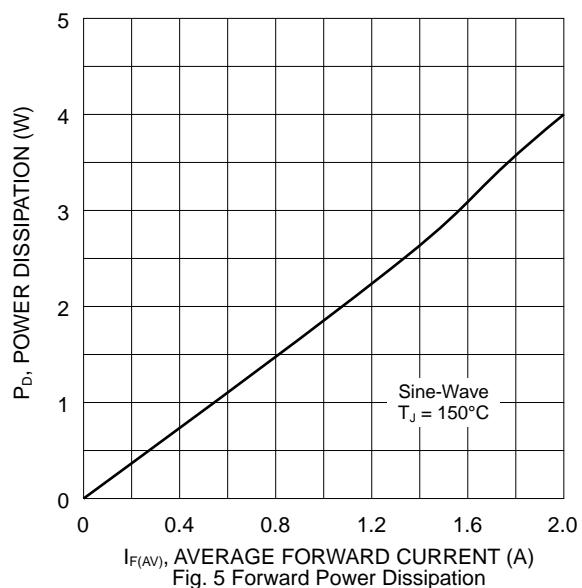
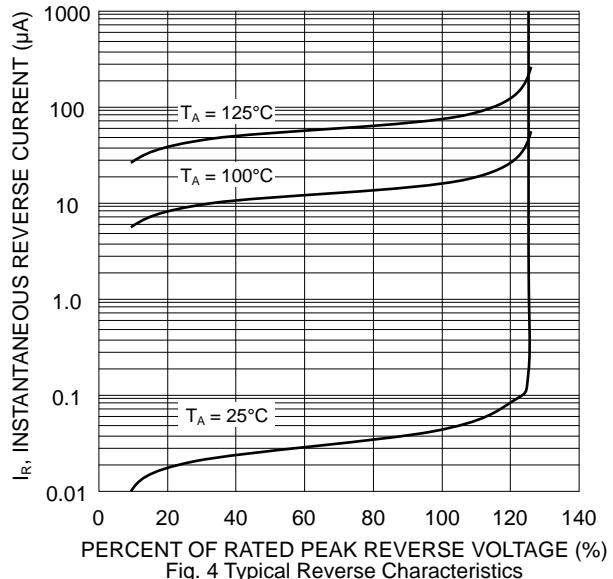
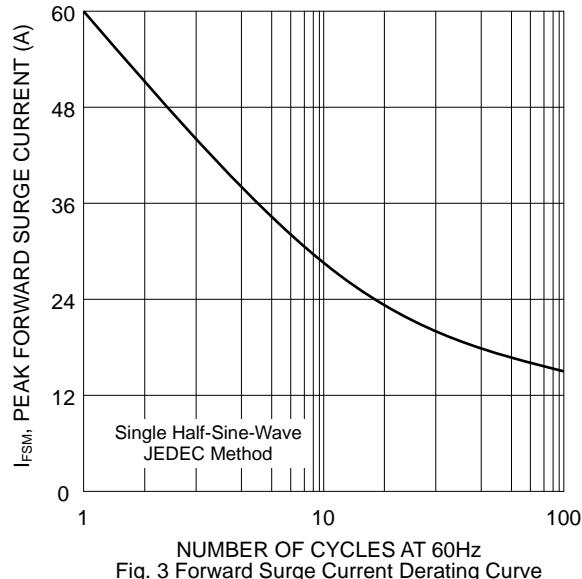
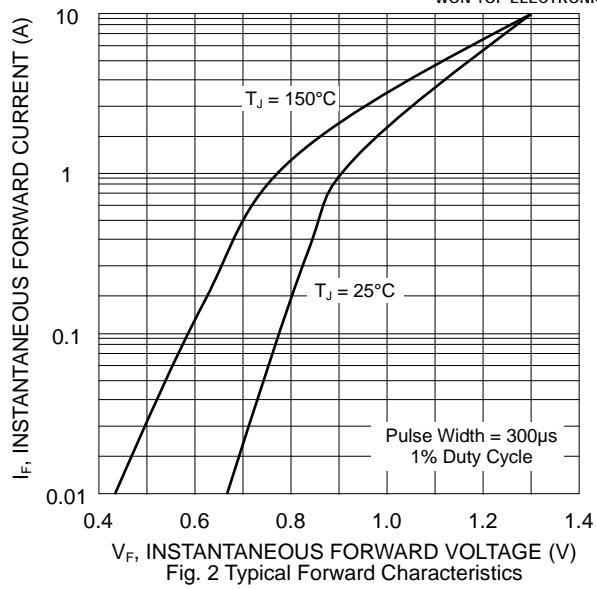
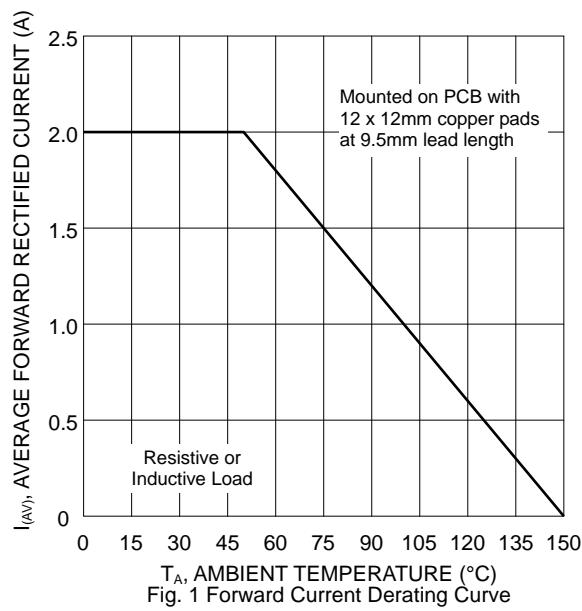
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

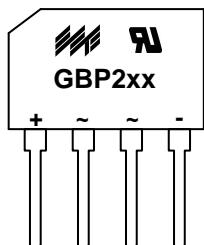
| Characteristic | Symbol | GBP 200 | GBP 201 | GBP 202 | GBP 204 | GBP 206 | GBP 208 | GBP 210 | Unit |
|---|----------------|---------|---------|---------|-------------|---------|---------|---------|----------------------|
| Peak Repetitive Reverse Voltage | V_{RRM} | | | | | | | | |
| Working Peak Reverse Voltage | V_{RWM} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| DC Blocking Voltage | V_R | | | | | | | | |
| RMS Reverse Voltage | $V_{R(RMS)}$ | 35 | 70 | 140 | 280 | 420 | 560 | 700 | V |
| Average Rectified Output Current $\text{@T}_A = 50^\circ\text{C}$ | I_o | | | | 2.0 | | | | A |
| Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method) | I_{FSM} | | | | 60 | | | | A |
| Forward Voltage per leg $\text{@I}_F = 1.0\text{A}$ | V_{FM} | | | | 1.0 | | | | V |
| Peak Reverse Current $\text{@T}_A = 25^\circ\text{C}$ At Rated DC Blocking Voltage $\text{@T}_A = 125^\circ\text{C}$ | I_{RM} | | | | 5.0 | | | | μA |
| I^2t Rating for Fusing ($t < 8.3\text{ms}$) | I^2t | | | | 15 | | | | A^2s |
| Typical Junction Capacitance (Note 1) | C_J | | | | 25 | | | | pF |
| Thermal Resistance Junction to Ambient (Note 2) | R_{JA} | | | | 32 | | | | $^\circ\text{C/W}$ |
| Thermal Resistance Junction to Lead (Note 2) | R_{JL} | | | | 13 | | | | |
| Operating and Storage Temperature Range | T_J, T_{STG} | | | | -55 to +150 | | | | $^\circ\text{C}$ |

Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

2. Mounted on PCB with 12 x 12mm copper pads and measured at lead length 9.5mm from case.

GBP200 – GBP210



MARKING INFORMATION

GBP2xx = Device Number
xx = 00, 01, 02, 04, 06, 08 or 10
Polarity = As Marked on Body

PACKAGING INFORMATION**BULK**

| Tube Size L x W x H (mm) | Quantity (PCS) | Inner Box Size L x W x H (mm) | Quantity (PCS) | Carton Size L x W x H (mm) | Quantity (PCS) | Approx. Gross Weight (KG) |
|-----------------------------|-------------------|----------------------------------|-------------------|-------------------------------|-------------------|------------------------------|
| 390 x 29 x 6 | 25 | 408 x 158 x 70 | 1,250 | 430 x 330 x 165 | 5,000 | 13.0 |

Note: 1. Anti-static tube, water clear color.

ORDERING INFORMATION

| Product No. | Package Type | Shipping Quantity |
|-------------|--------------|-------------------|
| GBP200 | SIL Bridge | 25 Units/Tube |
| GBP201 | SIL Bridge | 25 Units/Tube |
| GBP202 | SIL Bridge | 25 Units/Tube |
| GBP204 | SIL Bridge | 25 Units/Tube |
| GBP206 | SIL Bridge | 25 Units/Tube |
| GBP208 | SIL Bridge | 25 Units/Tube |
| GBP210 | SIL Bridge | 25 Units/Tube |

1. Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.
2. **To order RoHS / Lead Free version (with Lead Free finish), add “-LF” suffix to part number above. For example, GBP200-LF.**

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Won-Top Electronics Co., Ltd.
No. 44 Yu Kang North 3rd Road,
Chine Chen Dist., Kaohsiung 806, Taiwan
Phone: 886-7-822-5408 or 886-7-822-5410
Fax: 886-7-822-5417
Email: sales@wontop.com
Internet: <http://www.wontop.com>

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