

| THERMAL PERFORMANCE | | | |
|--|-----------------|------------|-------------|
| PARAMETER | SYMBOL | TYP | UNIT |
| Junction-to-lead thermal resistance | $R_{\theta JL}$ | 13 | °C/W |
| Junction-to-ambient thermal resistance | $R_{\theta JA}$ | 32 | °C/W |
| Junction-to-case thermal resistance | $R_{\theta JC}$ | 8 | °C/W |

| ELECTRICAL SPECIFICATIONS ($T_A = 25^\circ\text{C}$ unless otherwise noted) | | | | | |
|---|---|---------------|------------|------------|---------------|
| PARAMETER | CONDITIONS | SYMBOL | TYP | MAX | UNIT |
| Forward voltage per diode ⁽¹⁾ | $I_F = 2\text{A}, T_J = 25^\circ\text{C}$ | V_F | - | 1.0 | V |
| | $I_F = 4\text{A}, T_J = 25^\circ\text{C}$ | | - | 1.1 | V |
| Reverse current @ rated V_R per diode ⁽²⁾ | $T_J = 25^\circ\text{C}$ | I_R | - | 5 | μA |
| | $T_J = 125^\circ\text{C}$ | | - | 500 | μA |
| Junction capacitance per diode | 1MHz, $V_R = 4.0\text{V}$ | C_J | 95 | - | pF |
| | | | 40 | - | pF |

Notes:

1. Pulse test with $PW = 0.3\text{ms}$
2. Pulse test with $PW = 30\text{ms}$

| ORDERING INFORMATION | | |
|--|----------------|----------------|
| ORDERING CODE ⁽¹⁾⁽²⁾ | PACKAGE | PACKING |
| GBLx | GBL | 25 / Tube |
| GBLxH | GBL | 25 / Tube |

Notes:

1. "x" defines voltage from 50V(GBL005) to 1000V(GBL10)
2. "H" means AEC-Q101 qualified

CHARACTERISTICS CURVES

($T_A = 25^\circ\text{C}$ unless otherwise noted)

Fig.1 Forward Current Derating Curve

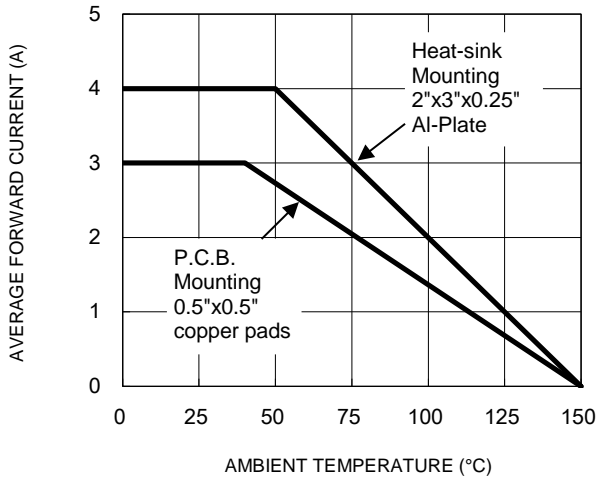


Fig.2 Typical Junction Capacitance

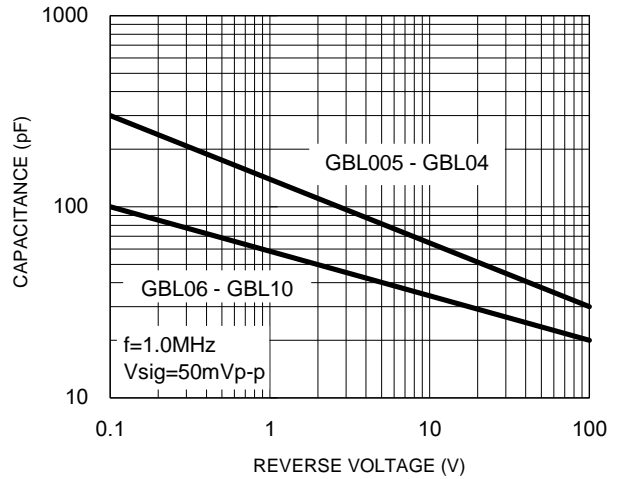


Fig.3 Typical Reverse Characteristics

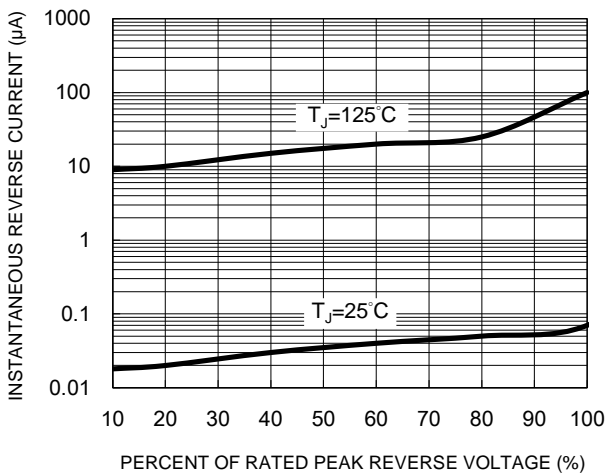


Fig.4 Typical Forward Characteristics

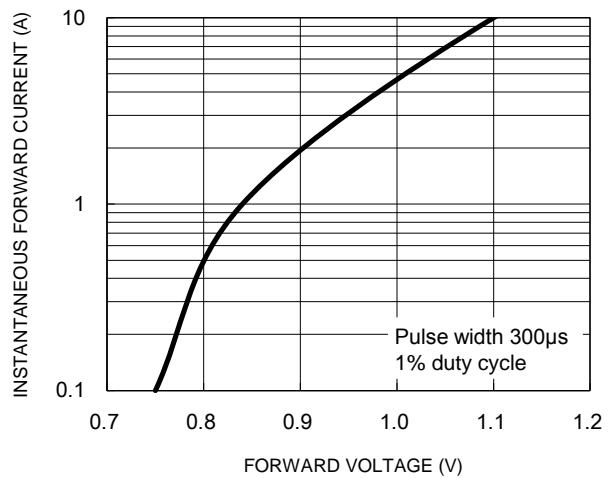
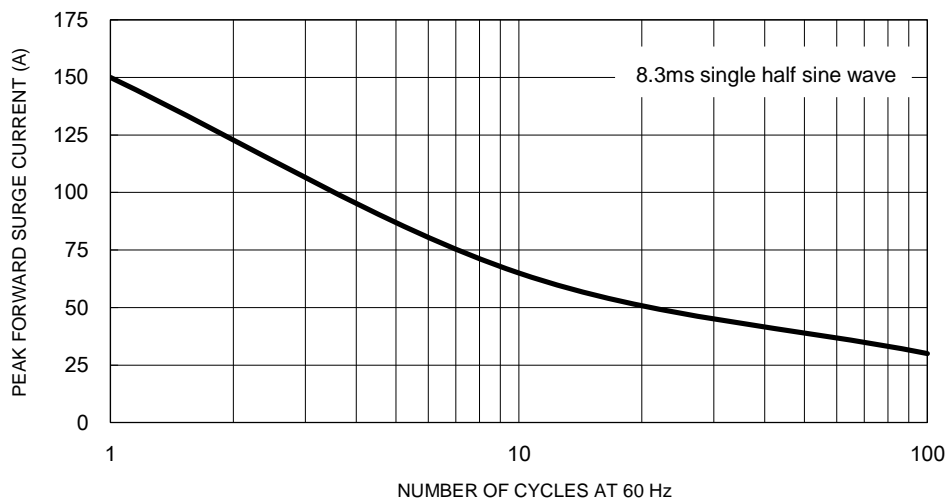
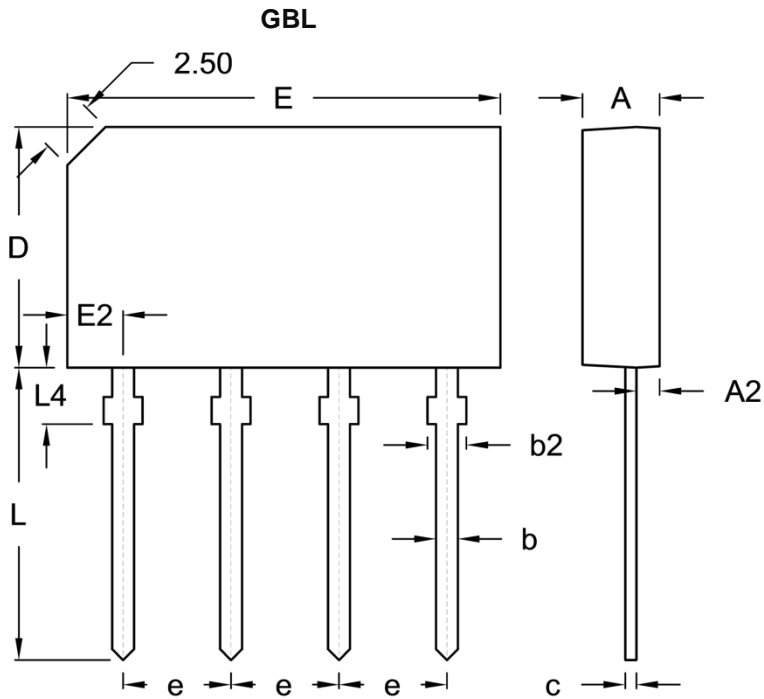


Fig.5 Maximum Non-Repetitive Forward Surge Current



PACKAGE OUTLINE DIMENSIONS



| DIM. | Unit (mm) | | Unit (inch) | |
|------|-----------|-------|-------------|-------|
| | Min. | Max. | Min. | Max. |
| A | 3.30 | 3.70 | 0.130 | 0.146 |
| A2 | 0.80 | 1.20 | 0.031 | 0.047 |
| b | 0.90 | 1.10 | 0.035 | 0.043 |
| b2 | 1.30 | 2.00 | 0.051 | 0.079 |
| c | 0.40 | 0.60 | 0.016 | 0.024 |
| D | 10.70 | 11.30 | 0.421 | 0.445 |
| E | 19.70 | 20.30 | 0.776 | 0.799 |
| E2 | 2.30 | 2.70 | 0.091 | 0.106 |
| e | 4.80 | 5.20 | 0.189 | 0.205 |
| L | 13.00 | 14.00 | 0.512 | 0.551 |
| L4 | 2.30 | 2.70 | 0.091 | 0.106 |

MARKING DIAGRAM



- P/N = Marking Code
- G = Green Compound
- YWW = Date Code
- F = Factory Code

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