

FEATURES

Ideal for printed circuit board

Reliable low cost construction utilizing molded plastic technique

Plastic material has U/L flammability classification 94V-O

| | | GBU 15A | GBU 15B | GBU 15D | GBU 15G | GBU 15J | GBU 15K | GBU 15M | UNITS |
|---|-----------------|------------|------------|------------|-----------------|------------|------------|------------|----------|
| Maximum recurrent peak reverse voltage | V_{RRM} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum RMS voltage | V_{RMS} | 35 | 70 | 140 | 280 | 420 | 560 | 700 | V |
| Maximum DC blocking voltage | V_{DC} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum average forward output current T _c =100°C | $I_{F(AV)}$ | | | | 15.0 | | | | A |
| Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load | I_{FSM} | | | | 240.0 | | | | A |
| Maximum instantaneous forward voltage at 7.5 A | V_F | | | | 1.0 | | | | V |
| Maximum reverse current @T _A =25°C at rated DC blocking voltage @T _A =125°C | I_R | | | | 5.0 500.0 | | | | μA mA |
| Typical junction capacitance per leg (note 3) | C_J | | 211 | | | | 94 | | pF |
| Typical thermal resistance per leg (note 2) | $R_{\theta JA}$ | | | | 21.0 | | | | °C/W |
| (note 1) | $R_{\theta JC}$ | | | | 2.2 | | | | |
| Operating junction temperature range | T_J | | | | - 55 ---- + 150 | | | | °C |
| Storage temperature range | T_{STG} | | | | - 55 ---- + 150 | | | | °C |

NOTE: 1. Unit case mounted on 3.2x3.2x0.12" thick (6.2x8.2x0.3cm) Al. Plate.

2. Units mounted in free air, no heat sink on P.C.B., 0.5x0.5"(12x12mm) copper pads, 0.375"(9.5mm) lead length.

3. Measured at 1.0 MHz and applied reverse voltage of 4.0 volts.

