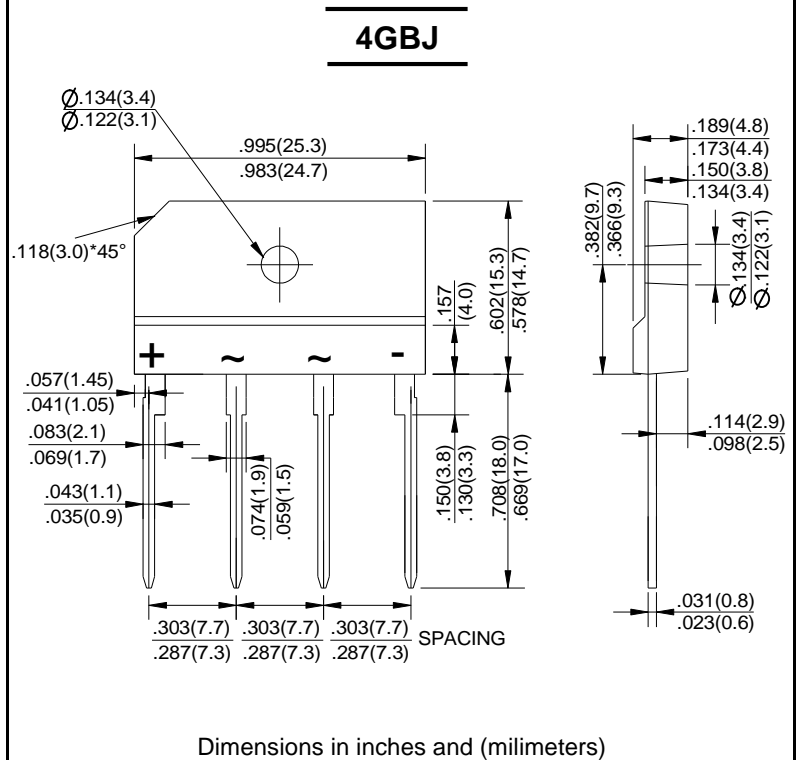


GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 600 Volts
FORWARD CURRENT - 15 Amperes

FEATURES

- Ideal for printed circuit board
- Low forward voltage drop, high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has UL flammability classification 94V-0



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

| CHARACTERISTICS | SYMBOL | 4GBJ1506L | UNIT |
|--|-------------------|-------------|------------------|
| Maximum Recurrent Peak Reverse Voltage | V _{RRM} | 600 | V |
| Maximum RMS Voltage | V _{RMS} | 420 | V |
| Maximum DC Blocking Voltage | V _{DC} | 600 | V |
| Maximum Average Forward (with heatsink Note 2) Rectified Current @ T _c =100°C (without heatsink) | I _(AV) | 15.0 3.2 | A |
| Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method) | I _{FSM} | 240 | A |
| Maximum Forward Voltage at 7.5A DC | V _F | 0.92 | V |
| I ² t Rating for Fusing (t<8.3ms) | I ² t | 240 | A ² s |
| Maximum DC Reverse Current @ T _J =25°C at Rated DC Blocking Voltage @ T _J =125°C | I _R | 10.0 500 | μA |
| Operating Temperature Range | T _J | 127 | °C |
| Storage Temperature Range | T _{STG} | -55 to +150 | °C |

NOTES: 1. Device mounted on 150mm*150mm*1.6mm cu plate heatsink.

FIG.1-FORWARD CURRENT DERATING CURVE

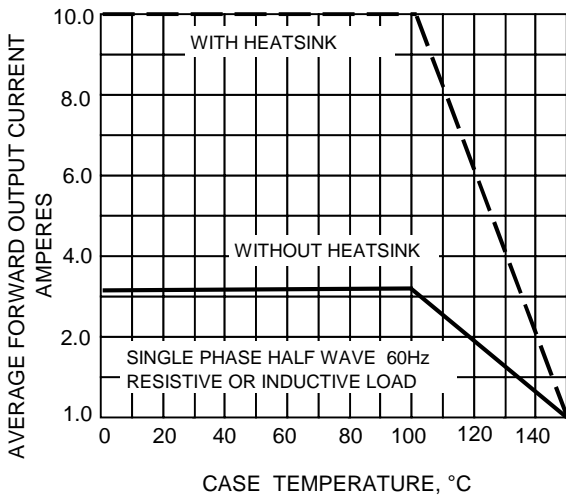


FIG.2-MAXMUN NON-REPETITIVE SURGE CURRENT

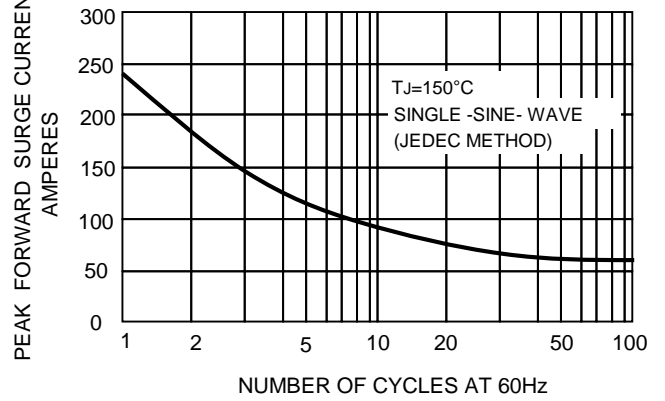


FIG.3-TYPICAL REVERSE CHARACTERISTICS

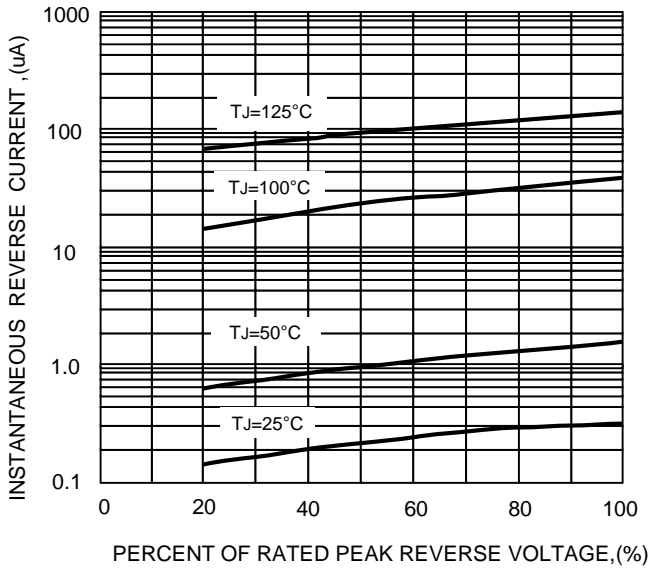


FIG.4-TYPICAL FORWARD CHARACTERISTICS

