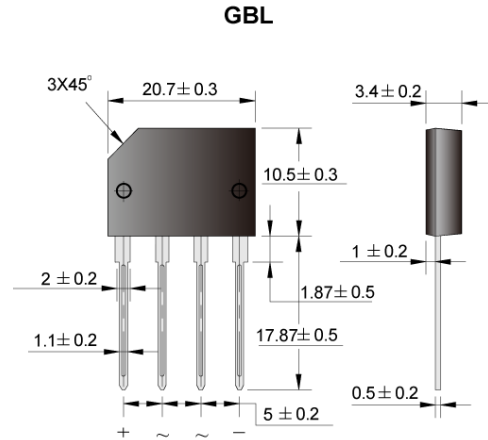


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Plastic Package has Underwriters Laboratory Flammability Classification 94V-0
- High current capacity with small package
- Glass passivated chip junctions
- Superior thermal conductivity
- High IFSM



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

at 25°C ambient temperature unless otherwise specified.

| PARAMETERS | SYMBOL | GBL | GBL | GBL | GBL | GBL | GBL | UNIT |
|--|-----------------|----------------|-----|-----|-----|-----|------|--------------------|
| | | 401 | 402 | 404 | 406 | 408 | 410 | |
| Maximum Repetitive Voltage | V_{RRM} | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum RMS Voltage | V_{RMS} | 70 | 140 | 280 | 420 | 560 | 700 | |
| Maximum DC Blocking Voltage | V_{DC} | 100 | 200 | 400 | 600 | 800 | 1000 | |
| Maximum DC Reverse Current at Rated DC Blocking Voltage | I_R | 5 500 | | | | | | μA |
| Average rectified forward current 60Hz Sine Wave Resistance load | I_O | 4 3 | | | | | | A |
| Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Superimposed on Rated Load | I_{FSM} | 150 | | | | | | A |
| Rating of fusing ($t < 8.3ms$) | I^2t | 93 | | | | | | A ² sec |
| Dielectric strength terminals to case, AC 1 minute Current 1mA | V_{dia} | 2.5 | | | | | | KV |
| Maximum instantaneous forward voltage at 2.0A | V_F | 1.1 | | | | | | V |
| Maximum thermal on P.C.B without heat-sink | $R_{\theta JA}$ | 32 | | | | | | °C / W |
| Resistance per leg on Al plate heat-sink | $R_{\theta JC}$ | 8 | | | | | | |
| Operating Junction and Storage Temperature Range | T_J, T_{STG} | 150, -55 ~ 150 | | | | | | °C |

RATINGS AND CHARACTERISTIC CURVES

Fig. 1 Derating Curve

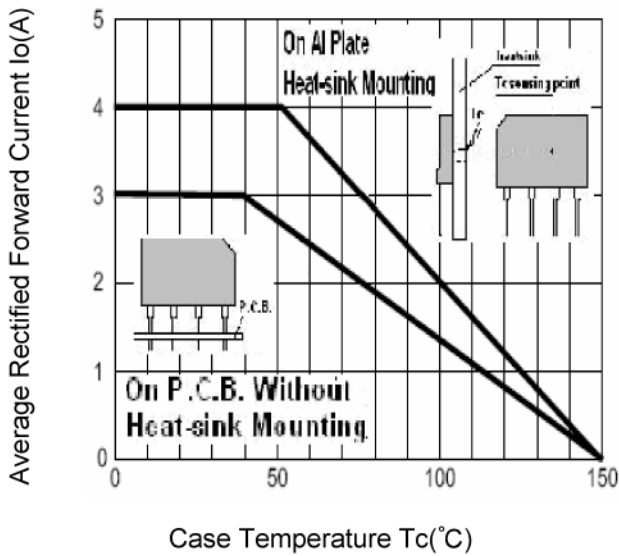


Fig.2 Typical Reverse Characteristics

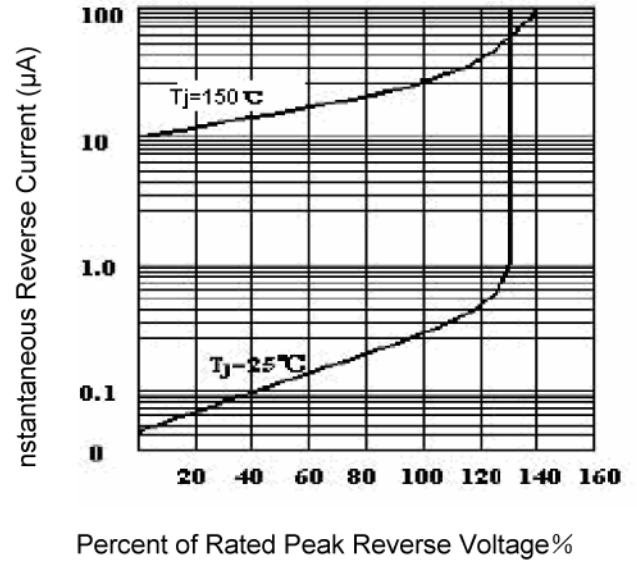


Fig.3 Forward Voltage

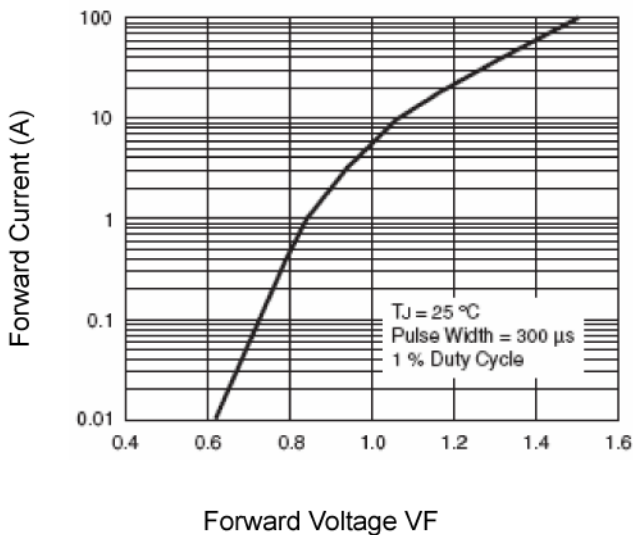


Fig.4 Peak Surge Forward Capability

