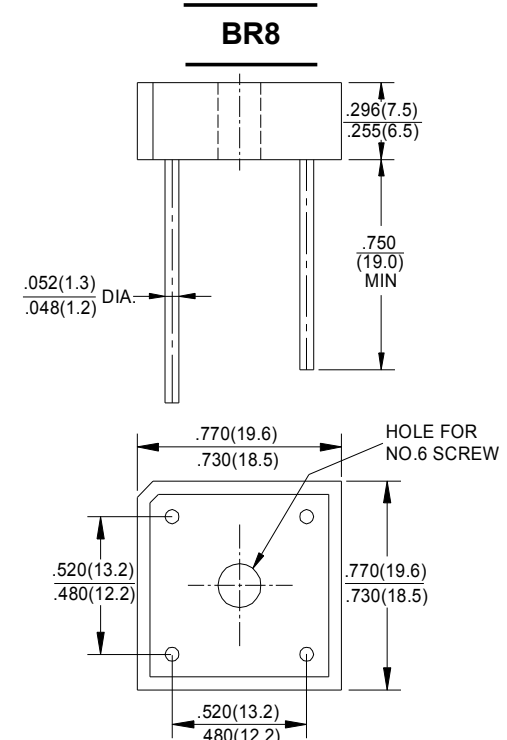


| | |
|---|---|
| GLASS PASSIVATED BRIDGE RECTIFIERS | <p>REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 8.0 Amperes</p> |
| <p>FEATURES</p> <ul style="list-style-type: none"> ● Surge overload rating -175 amperes peak ● Low forward voltage drop ● Small size; simple installation ● Silver plated copper leads ● Mounting position: Any |  <p style="text-align: center;">Polarity shown on side of case, Positive lead by beveled corner. Dimensions in inches and (millimeters)</p> |

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 | BR8005G | BR801G | BR802G | BR804G | BR806G | BR808G | BR810G | UNIT | |
|--|--------|-------------|--------|--------|--------|--------|--------|--------|------|----|
| Maximum Recurrent Peak Reverse Voltage | VRRM | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V | |
| Maximum RMS Bridge Input Voltage | VRMS | 35 | 70 | 140 | 280 | 420 | 560 | 700 | V | |
| Maximum Average Forward Rectified Output Current at TC=100°C (Note1) TA=50°C (Note2) | I(AV) | 8.0 | | | | | | 3.0 | | A |
| Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load | IFSM | 175 | | | | | | | | A |
| Maximum Forward Voltage Drop Per Bridge Element at 4.0A Peak | VF | 1.1 | | | | | | | | V |
| Maximum Reverse Current at Rated DC Blocking Voltage Per Element | IR | 10.0 | | | | | | | | µA |
| | | 1.0 | | | | | | | | mA |
| Operating Temperature Range | TJ | -55 to +150 | | | | | | | | °C |
| Storage Temperature Range | TSTG | -55 to +150 | | | | | | | | °C |

Notes: 1. Unit mounted on metal chassis
 2. Unit mounted on P.C. board

RATING AND CHARACTERISTIC CURVES

BR8G SERIES

FIG.1-DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

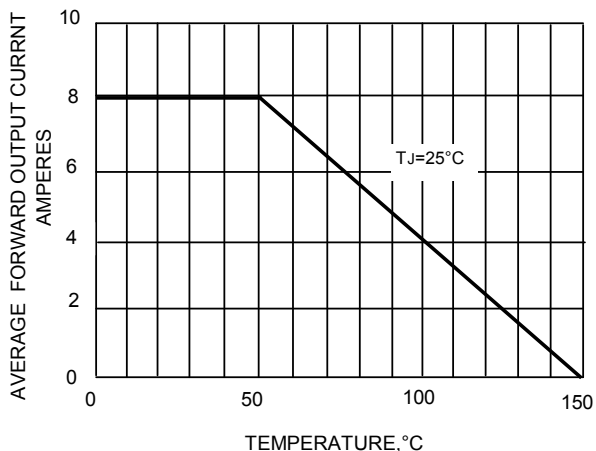


FIG.2-MAXIMUM FORWARD SURGE CURRENT

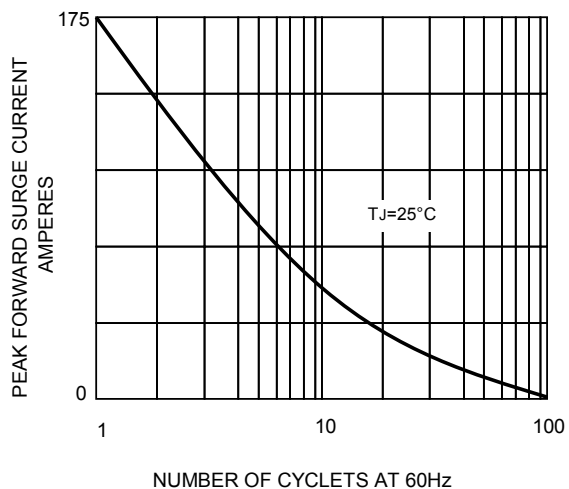


FIG.3-TYPICAL FORWARD CHARACTERISTICS

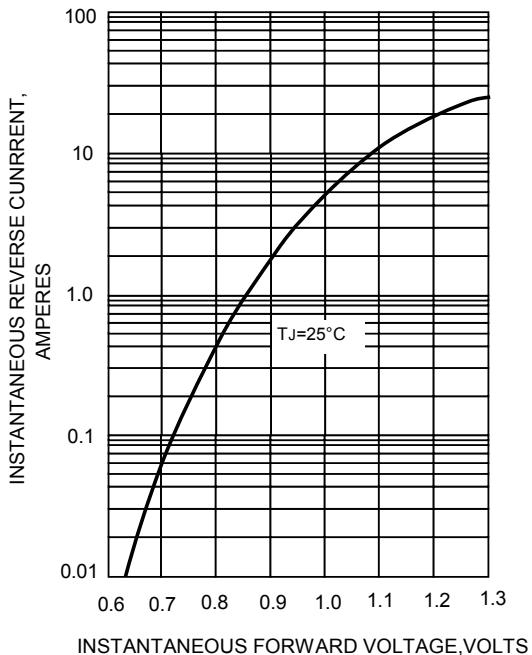


FIG.4-TYPICAL REVERSE CHARACTERISTICS

