

GLASS PASSIVATED 3 PHASE BRIDGE RECTIFIERS

REVERSE VOLTAGE - 800 to 1600 Volts FORWARD CURRENT - 35 Ampreres

FEATURES

- ●Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- ●Ideal for Printed Circuit Boards

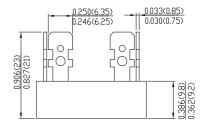
MECHANICAL DATA

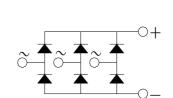
- ◆Case:Epoxy Case with Heat Sink Interally Mounted in the Bridge Encapsulation
- ●Terminals:Plated Leads Soiderable per MIL-STD-202,Method 208
- Polarity: As Marked on Body
- •Weight:21 grams(approx.)
- ●Mounting Position:

Bolt Down on Heatsink With Silicone Thermal Compound Between Bridge and Mounting Surface for Maximum Heat Transfer Efficiency

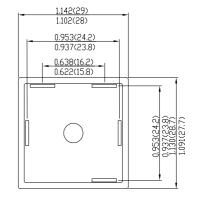
■Mounting Torque:2 N · m

SBRG





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Dimensions in inches and (milimeters)

-14

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MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

CHARACTERISTICS

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%

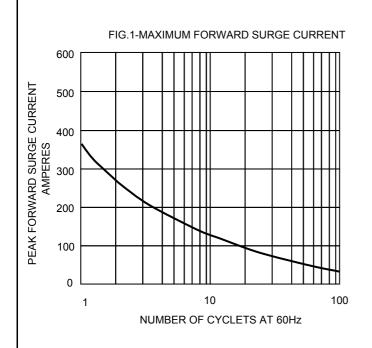
SYMBOL

VOLTAGE RATINGS

| Peak Repetitive Voltage | VRRM | | | | | | |
|--|------------------|-------------|------|------|------|------|------------|
| Working Peak Reverse Voltage | VRWM | 800 | 1000 | 1200 | 1400 | 1600 | V |
| DC Blocking Voltage | VR | | | | | | |
| Peak Non-Repetitive Reverse Voltage | VRSM | 900 | 1100 | 1300 | 1500 | 1700 | V |
| RMS Reverse Voltage | VR(RMS) | 560 | 700 | 840 | 980 | 1120 | V |
| FORWARD CONDUCTION | | | | | • | | |
| CHARACTERISTICS | SYMBOL | SBR35G | | | | | UNIT |
| Maximum Average Forward | lo 35 | | | | | | А |
| Rectified Current @TC=55°C | | | | | | | |
| Peak Forward Surge Current t=8.3ms at 60HZ | Iгsм | 400 | | | | | Α |
| I2t Rating for fusing | l ² t | 840 | | | | | $A^2 S$ |
| Maximum Forward Voltage drop per element at 17.5A Peak | VF | 1.1 | | | | | V |
| Reverse peak current $V_R = V_{RRM} @ T_J = 25 ° C$ | lR | 5 | | | | | μΑ |
| V _R =V _{RRM} @TJ=150℃ | IR | 3 | | | | | |
| RMS Isolation Voltage from Case to Lead | Viso | 2500 | | | | | V |
| THERMAL CHARACTERISTICS | • | | | | | | • |
| Operating Temperature Range | TJ | -40 to +150 | | | | | $^{\circ}$ |
| Storage Temperature Range | Tstg | -40 to +125 | | | | | $^{\circ}$ |

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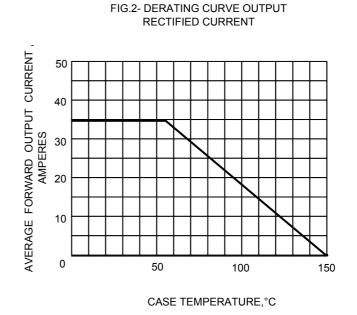


FIG.3-TYPICAL FORWARD CHARACTERISTICS

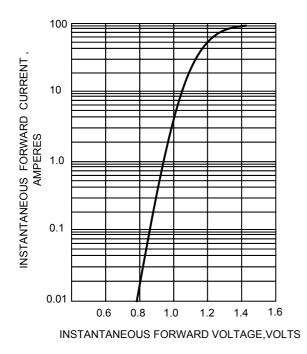
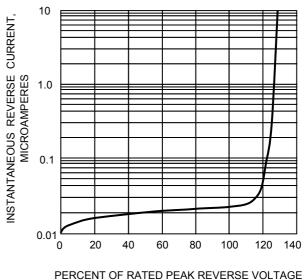


FIG.4-TYPICAL REVERSE CHARACTERISTICS



The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!