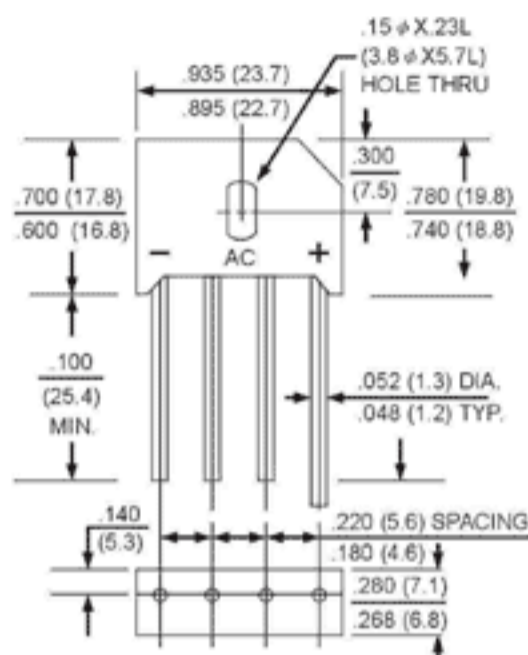


GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts
FORWARD CURRENT - 4 / 6 / 8 Amperes

FEATURES

- Surge overload rating - 150~170 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has Underwriters Laboratory Flammability classification 94V-0
- Mounting Position: Any
- Mounting Torque: 5 In. lb. Max.



Dimensions in inches and (millimeters)

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 | KBU4A(G) | KBU4B(G) | KBU4D(G) | KBU4G(G) | KBU4J(G) | KBU4K(G) | KBU4M(G) | UNIT |
|--|-------------|----------|------------|----------|------------|----------|----------|----------|
| | KBU6A(G) | KBU6B(G) | KBU6D(G) | KBU6G(G) | KBU6J(G) | KBU6K(G) | KBU6M(G) | |
| | KBU8A(G) | KBU8B(G) | KBU8D(G) | KBU8G(G) | KBU8J(G) | KBU8K(G) | KBU8M(G) | |
| | RS601(G) | RS602(G) | RS603(G) | RS604(G) | RS605(G) | RS606(G) | RS607(G) | |
| Maximum Recurrent Peak Reverse Voltage | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum RMS Bridge Input Voltage | 35 | 70 | 140 | 280 | 420 | 560 | 700 | V |
| Maximum DC Blocking Voltage | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum Average Forward Rectified Output Current at T _C =100°C T _A =50°C/40°C/45°C | 4.0 4.0 | | 6.0 6.0 | | 8.0 6.0 | | | A A |
| Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load (JEDEC Method) | 150 | | 170 | | 170 | | | A |
| Maximum Instantaneous Forward Voltage Drop per Element at 2.0A/3.0A/4.0A | 1.1 | | 1.1 | | 1.1 | | | V |
| Maximum Reverse Leakage at rated DC Blocking Voltage per Element T _A = 25°C T _C =100°C | 10 100 | | 10 200 | | 10 300 | | | μA mA |
| Operating and Storage Temperature Range T _J , T _{STG} | -55 to +150 | | | | | | | °C |