

SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

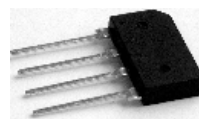
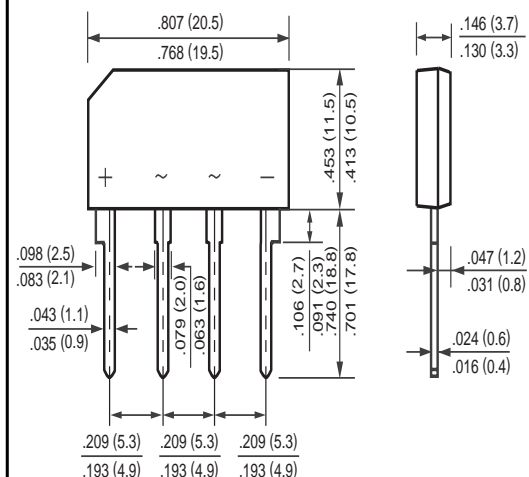
VOLTAGE RANGE 50 to 1000 Volts CURRENT 2.0 Ampere

FEATURES

- * Ideal for printed circuit board
- * Mounting position: Any

MECHANICAL DATA

- * UL listed the recognized component directory, file #E94233
- * Epoxy: Device has UL flammability classification 94V-O

**RS-2M**

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

MAXIMUM RATINGS (At T_A = 25°C unless otherwise noted)

[illegible]

ELECTRICAL CHARACTERISTICS (At T_A = 25°C unless otherwise noted)

CHARACTERISTICS		SYMBOL	RS201M	RS202M	RS203M	RS204M	RS205M	RS206M	RS207M	UNITS
Maximum Forward Voltage Drop per Bridgeat Element at 2.0A DC		V _F	1.1							Volts
Maximum Reverse Current at Rated Dc Blocking Voltage per element	@ T _A = 25°C	I _R	5.0							uAmps
	@ T _A = 100°C		0.5							mAmps

NOTES : 1.Measured at 1 MHz and applied reverse voltage of 4.0 volts
2. Unit case mounted on 1.6 x 1.6 x 0.06" thick (4.0 x 4.0 x 0.15cm) Al. Plate
3. Units mounted on P.C.B. with 0.5 x 0.5" (12 x 12mm) copper pads and 0.375" (9.5mm) lead length
4. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

2005-3

REV:A

RATING AND CHARACTERISTIC CURVES (RS201M THRU RS207M)

FIG. 1 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

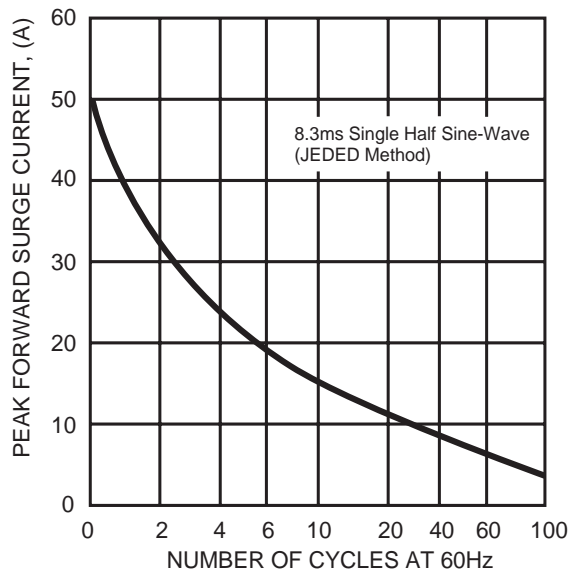


FIG. 2 - TYPICAL FORWARD CURRENT DERATING CURVE

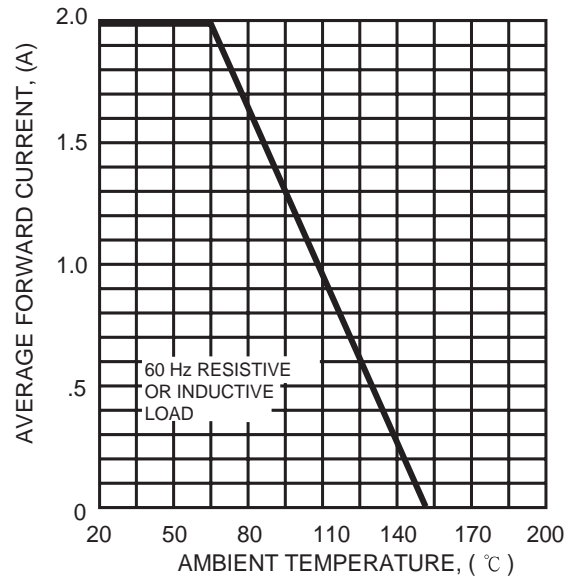


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

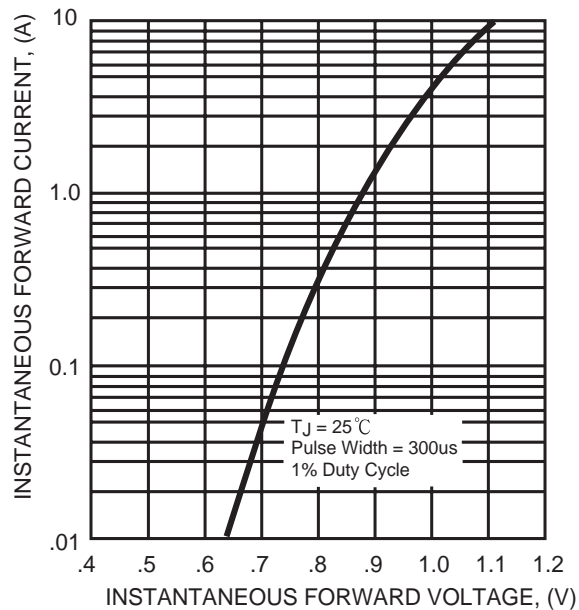


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

