

SINGLE-PHASE SILICON BRIDGE RECTIFIER

VOLTAGE RANGE 50 to 1000 Volts CURRENT 6.0 Amperes

FEATURES

- * Low leakage
- * Low forward voltage
- * Mounting position: Any
- * Surge overload rating: 250 amperes peak
- * Silver-plated copper leads

MECHANICAL DATA

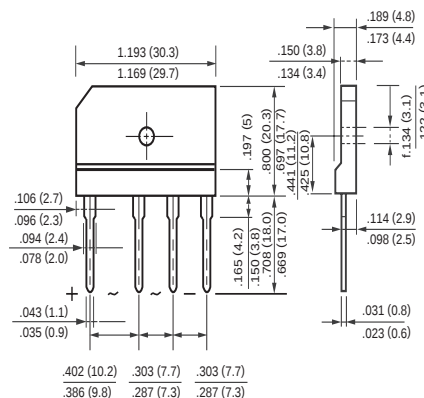
- * UL listed the recognized component directory, file #E94233
- * Epoxy: Device has UL flammability classification 94V-O



RS-6M

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%.



Dimensions in inches and (millimeters)

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

[illegible]

ELECTRICAL CHARACTERISTICS (At $T_A = 25^{\circ}\text{C}$ unless otherwise noted)

CHARACTERISTICS		SYMBOL	RS601M	RS602M	RS603M	RS604M	RS605M	RS606M	RS607M	UNITS
Maximum Forward Voltage Drop per element at 6.0A DC		V _F	1.0							Volts
Maximum Reverse Current at Rated	@ T _A = 25°C	I _R	10							uAmps
DC Blocking Voltage per element	@ T _C = 100°C		0.2							mAmps

RATING AND CHARACTERISTIC CURVES (RS601M - RS607M)

FIG. 1 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

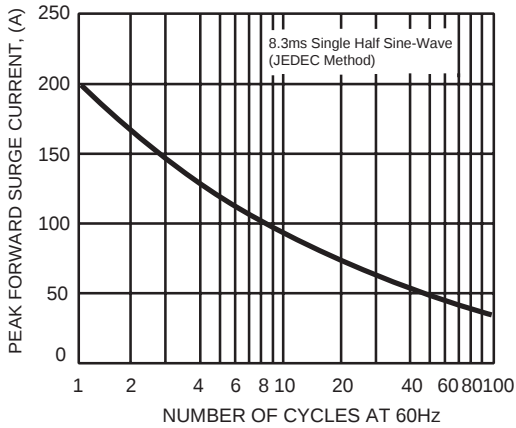


FIG. 2 - TYPICAL FORWARD CURRENT DERATING CURVE

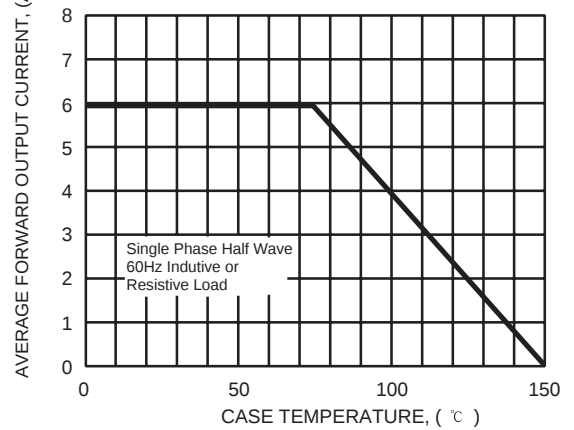


FIG. 3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

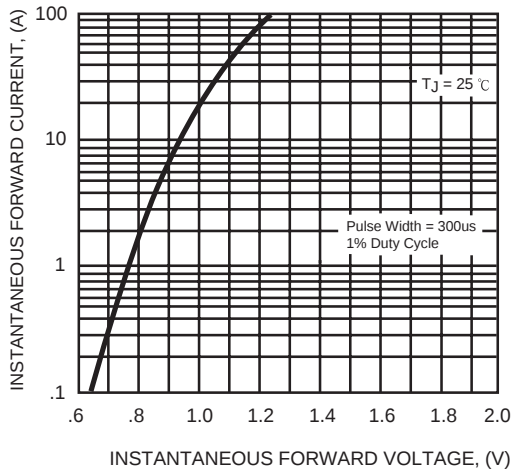


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

