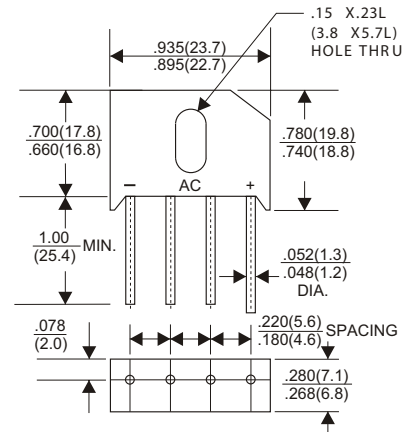
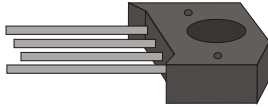


RoHS Compliant Product  
A suffix of "-C" specifies halogen-free.



Dimensions in inches and (millimeters)

## ● FEATURES

- Surge Overload rating – 200 ~ 300 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing Molded plastic technique
- Plastic material has underwrites laboratory Flammability classification 94V-0
- Polarity: marked on body
- Mounting position: Any
- Weight: 10 grams

## ● MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25 °C ambient temperature unless otherwise specified.  
Resistive or inductive load, 60Hz,  
For capacitive load, derate current by 20%.

TYPE NUMBER	RS801G	RS802G	RS803G	RS804G	RS805G	RS806G	RS807G	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Tc=100°C Rectified Output Current, at Ta=50°C /40°C /45°C	8.0 6.0							A
Peak Forward Surge Current, 8.3 ms single half Sine-wave superimposed on rated load (JEDEC method)	300							A
Maximum Instantaneous Forward Voltage Drop Per Element at 8.0A DC	1.0							V
Maximum Reverse Leakage at rated Ta=25 °C DC Blocking Voltage per Element Tc=100 °C	10 300							µA mA
Operating Temperature Range T <sub>J</sub>	-55 ~ +150							°C
Storage Temperature Range T <sub>STG</sub>	-55 ~ +150							°C

### ● RATING AND CHARACTERISTIC CURVES ( RS801G THRU RS807G )

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

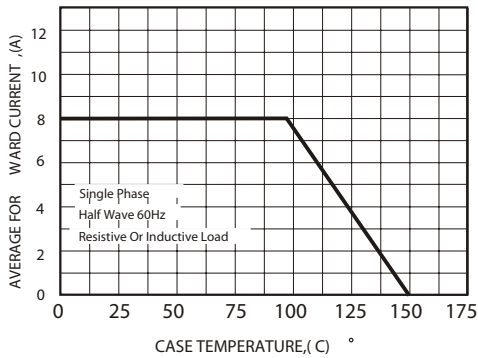


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

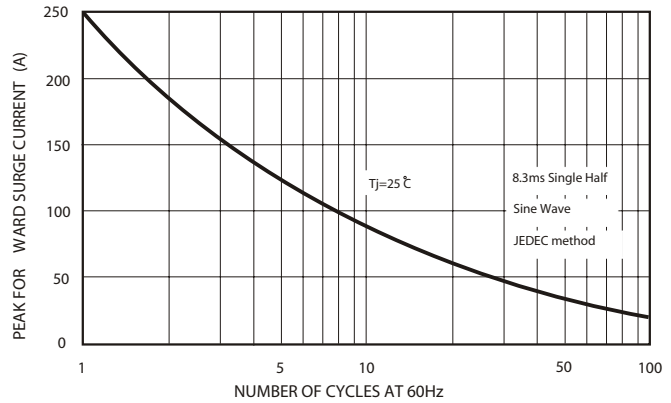


FIG.3-TYPICAL FORWARD CHARACTERISTICS

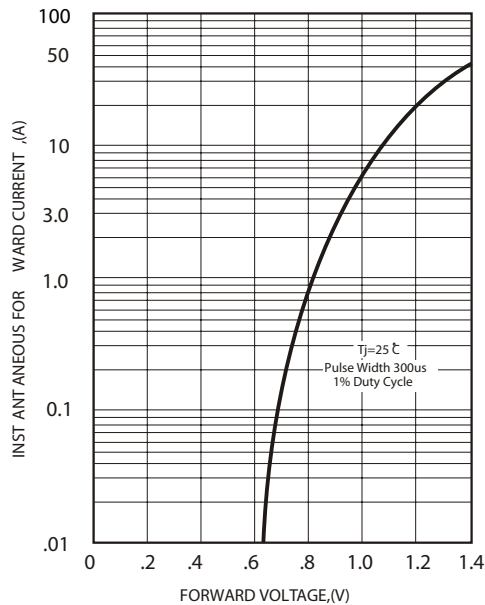


FIG.4-TYPICAL REVERSE CHARACTERISTICS

