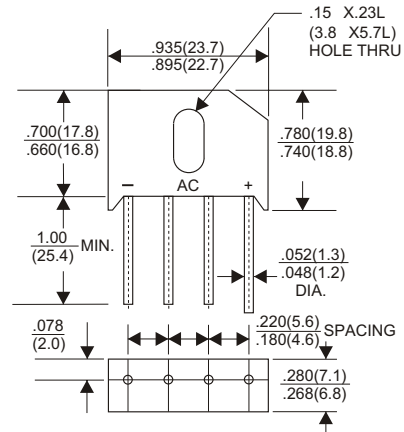


RoHS Compliant Product
A suffix of "-C" specifies halogen-free.



Dimensions in inches and (millimeters)

● FEATURES

- Surge Overload rating – 220 ~ 400 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: 12 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	RS1505	RS151	RS152	RS154	RS156	RS158	RS1510	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	50	100	200	400	600	800	1000	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward (with heatsink Note 2) Rectified Output Current, at Ta=100°C (without heatsink)	15.0 3.2							A
Peak Forward Surge Current, 8.3 ms single half Sine-wave superimposed on rated load (JEDEC method)	240							A
Maximum Forward Voltage at 7.5A DC	1.05							V
Maximum DC Reverse Current Ta=25 °C at Rated DC Blocking Voltage Ta=100 °C	10 500							µA
I ² t Rating for fusing (t<8.3ms)	240							A ² S
Typical Junction Capacitance per element (Note 1)	60							pF
Typical Thermal Resistance (Note 2)	0.8							°C / W
Operating Temperature Range T _J	-55 ~ +125							°C
Storage Temperature Range T _{STG}	-55 ~ +150							°C

NOTES:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
2. Device mounted on 300mm x 300mm x 1.6mm Cu Plate Heatsink.

● RATING AND CHARACTERISTIC CURVES (RS1505 THRU RS1510)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

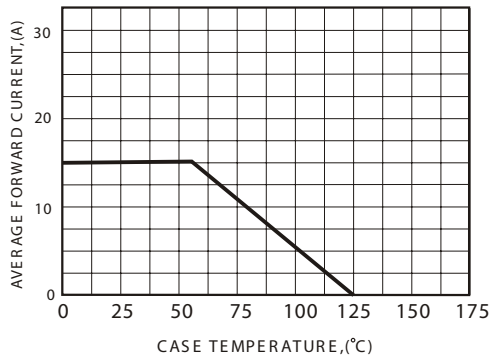


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

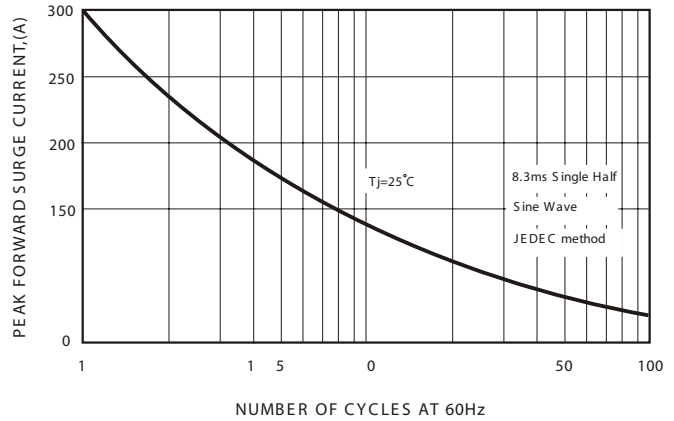


FIG.3-TYPICAL FORWARD CHARACTERISTICS

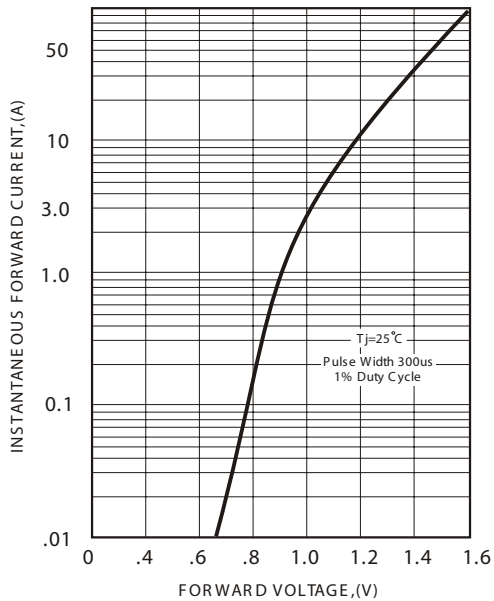


FIG.4-TYPICAL REVERSE CHARACTERISTICS

