

RS1505M -C-LV

SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER **VOLTAGE RANGE 600 Volts CURRENT 15 Amperes**

FEATURES

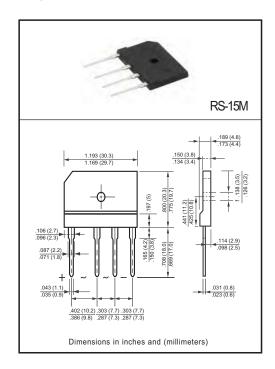
- * Low leakage
- * Low forward voltage
- * Surge overload rating: 250 amperes peak
- * Mounting position: Any
- * Ideal for printed circuit boards
- * High forward surge current capability

MECHANICAL DATA

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

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified. resistive or inductive load.



MAXIMUM RATINGS•(@ TA=25 °C unless otherwise noted)

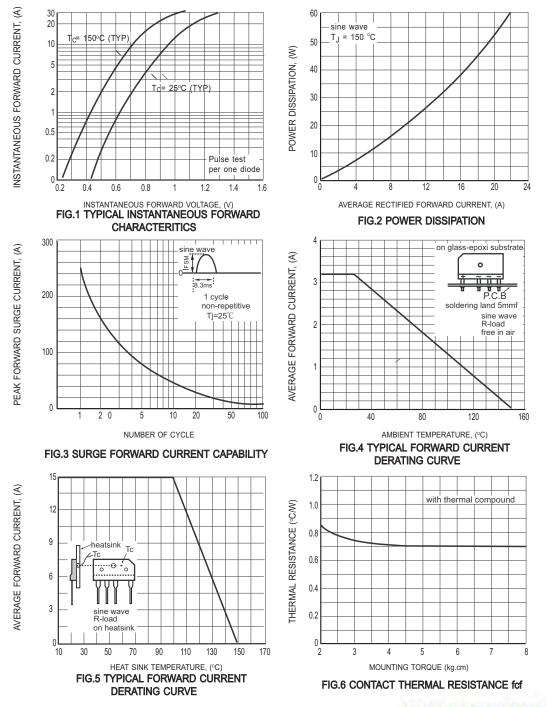
| RATINGS | SYMBOL | RS1505M-C-LV | UNITS | |
|---------------------------------------------------------------------------------------------------|-----------------------------------|--------------|------------------|--|
| Maximum Recurrent Peak Reverse Voltage | V _{RRM} | 600 | Volts | |
| Maximum RMS Voltage | V _{RMS} | 420 | Volts | |
| Maximum DC Blocking Voltage | V _{DC} | 600 | Volts | |
| Maximum Average Forward Rectified Current at T _C = 100°C | lo | 15 | Amps | |
| Insulation voltage | Viso | 3000 | Volts | |
| Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method) | IFSM | 250 | Amps | |
| Typical Current Squared Time | I ² T | 259.3 | A ² S | |
| Torrigal Thornacl Decistors of (Note 4) | R _{OJC} | 1.5 | °C/W | |
| Typical Thermal Resistance (Note 1) | $R_{\Theta JA}$ | 22 | | |
| Operating and Storage Temperature Range | T _J , T _{STG} | -55 to + 150 | ٥C | |

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

| CHARACTERISTICS | | SYMBOL | RS1505M-C-LV | UNITS |
|--------------------------------------------------|-------------------------|------------------|--------------|-------|
| Maximum Instantaneous Forward Voltage at 7.5A DC | | V _F | 0.9 | Volts |
| Maximum DC Reverse Current | @T _A = 25°C | - I _R | 5.0 | |
| at Rated DC Blocking Voltage | @T _A = 100°C | | 200 | uAmps |

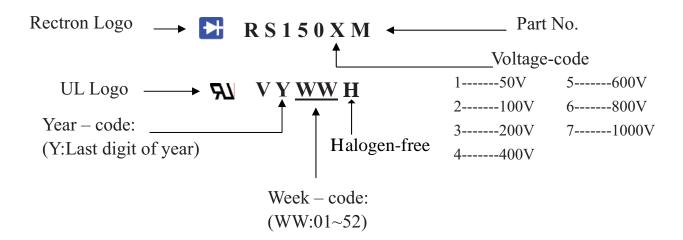
NOTES: 1. Thermal Resistance: Heat-sink case mounted or if PCB mounted.

RATING AND CHARACTERISTICS CURVES (RS1505M -C-LV)





Marking Description





PACKAGING OF DIODE AND BRIDGE RECTIFIERS

BULK PACK

| PACKAGE | PACKING CODE | EA PER BOX | INNER BOX SIZE (mm) | CARTON SIZE (mm) | EA PER CARTON | GROSS WEIGHT(Kg) |
|---------|--------------|------------|---------------------|------------------|---------------|---------------------|
| RS-15M | -В | 300 | 230*190*46 | 410*243*157 | 1,800 | 13.37 |

TUBE PACK

| PACKAGE | PACKING CODE | EA PER BOX | INNER BOX SIZE (mm) | CARTON SIZE (mm) | EA PER CARTON | WEIGHT(Kg) |
|---------|--------------|------------|---------------------|---------------------|---------------|------------|
| RS-15M | -C | 600 | 490*135*110 | 510*293*131 | 1,200 | 13.12 |



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