

RS1505M -C-LV

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

FEATURES

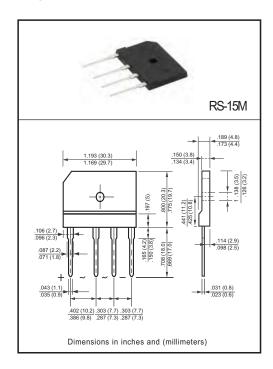
- * Low leakage
- * Low forward voltage
- * Surge overload rating: 250 amperes peak
- * Mounting position: Any
- * Ideal for printed circuit boards
- * High forward surge current capability

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)	I _{FSM}	250	Amps	
Typical Current Squared Time	I ² T	259.3	A ² S	
Typical Thermal Resistance (Note 1)	R _{OJC}	1.5	°C/W	
Typical Thermal Nesistance (Note 1)	$R_{\Theta JA}$	22		
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to + 150	۰c	

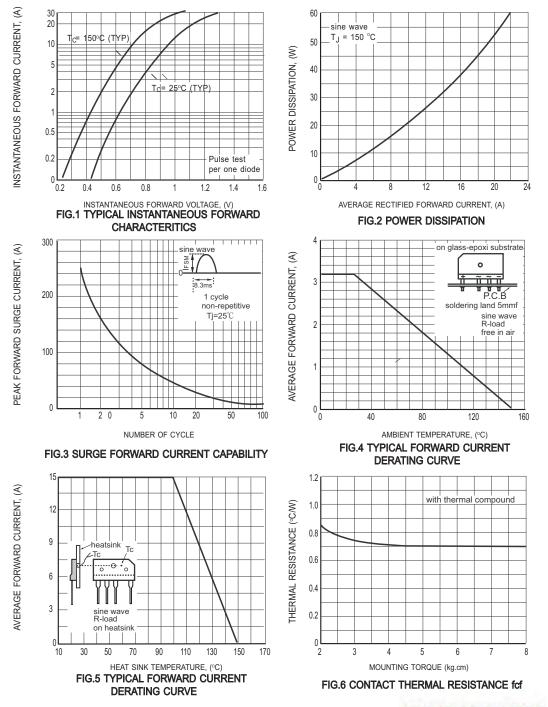
ELECTRICAL CHARACTERISTICS (@ T_A =25 °C unless otherwise noted)

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

NOTES: 1.Thermal Resistance: Heat-sink case mounted or if PCB mounted. 2. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

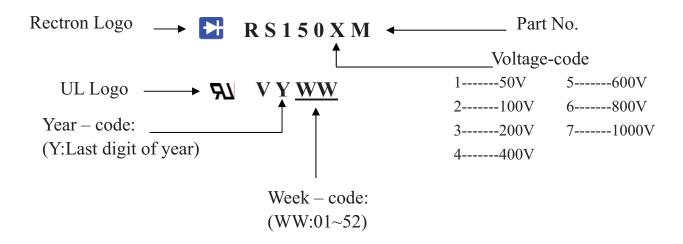
2016-12 REV:0

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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