



SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

VOLTAGE RANGE 50 to 1000 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
- RS-15M

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)

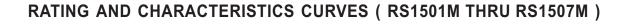
RATINGS	SYMBOL	RS1501M	RS1502M	RS1503M	RS1504M	RS1505M	RS1506M	RS1507M	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at T _C = 100°C	lo	15						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	250					Amps		
Typical Current Squared Time	I2T	259.3					A²S		
Typical Thermal Resistance (Note 1)	$R_{\Theta JC}$	1.5							°C/W
	$R_{\Theta JA}$	22							0/10
Operating and Storage Temperature Range	TJ, T _{STG}	-55 to + 150					۰C		

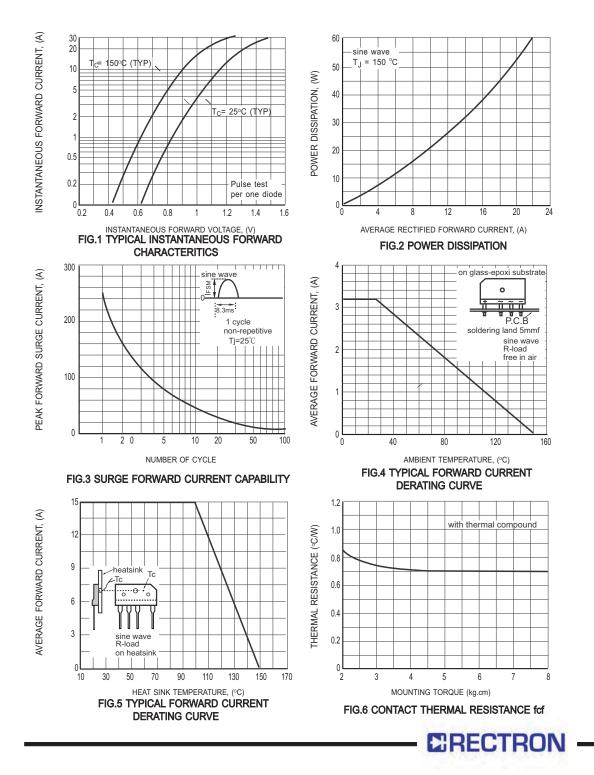
ELECTRICAL CHARACTERISTICS(@TA=25 °C unless otherwise noted)

CHARACTERIS	SYMBOL	RS1501M	RS1502M	RS1503M	RS1504M	RS1505M	RS1506M	RS1507M	UNITS	
Maximum Instantaneous Forward V	VF	1.1					Volts			
Maximum DC Reverse Current at Rated DC Blocking Voltage	@T _A = 25°C	la la	5.0							uAmps
	@T _A = 100°C	I ^I R	200							
NOTES 1 Thermal Resistance · Heat-sink case mounted or if PCB mounted 20									2014-12	

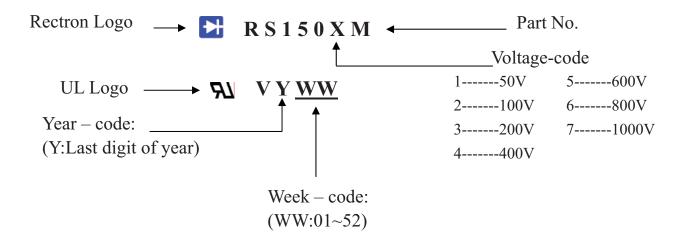
IOTES : 1. Thermal Resistance : Heat-sink case mounted or if PCB mounte 2. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

REV:B





Marking Description



CRECTRON

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	-B	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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