



SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

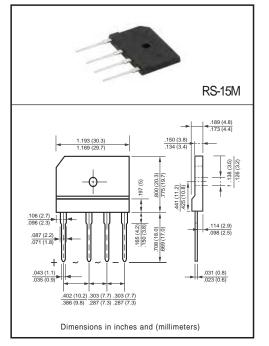
VOLTAGE RANGE 50 to 1000 Volts CURRENT 15 Amperes

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



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 $T_{C} = 100^{\circ}C$	lo	lo 15						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	SM 250						Amps	
Typical Current Squared Time	I ² T	I²T 259.3						A ² S	
Insulation voltage	Viso 3000					Volts			
Typical Thermal Resistance (Note 1)	R _{ØJC}	1.5							°C/W
Typical memial resistance (NOLE T)	$R_{\Theta JA}$	22							0/10
Operating and Storage Temperature Range	TJ, TSTG	J, T _{STG} -55 to + 150					° C		

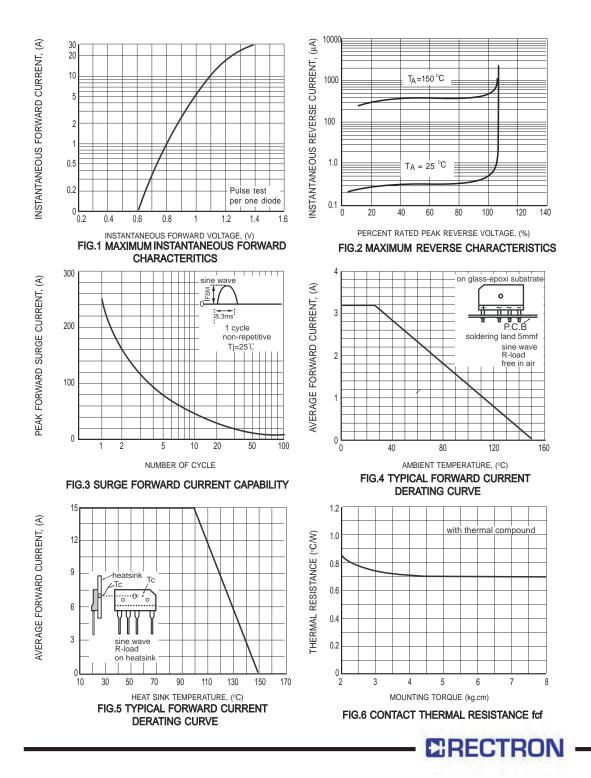
ELECTRICAL CHARACTERISTICS (@TA=25 °C unless otherwise noted)

CHARACTERIST	SYMBOL	RS1501M	RS1502M	RS1503M	RS1504M	RS1505M	RS1506M	RS1507M	UNITS	
Maximum Instantaneous Forward Vo	VF	1.05						Volts		
Maximum DC Reverse Current at Rated DC Blocking Voltage	@T _A = 25°C	la la	0.5							
	@T _A = 150°C	IR	500						uAmps	

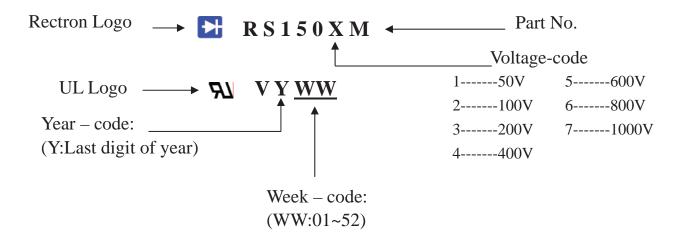
NOTES : 1. Thermal Resistance : Heat-sink case mounted or if PCB mounted. 2. " ROHS compliant"

2019-06 REV:D





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	-B	300	230*190*46	410*243*157	1,800	13.37

eg(TYPE):RS1507M-B

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

eg(TYPE):RS1507M-C

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