



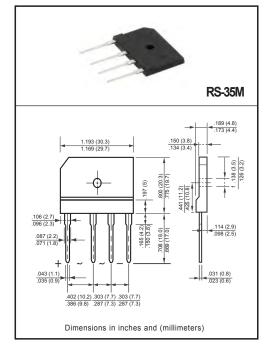
SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER VOLTAGE RANGE 50 to 1000 Volts CURRENT 35 Amperes

FEATURES

- * Low leakage
- * Low forward voltage
- * Surge overload rating : 300 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 #E252754



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25 °C ambient temperature unless otherwise specified. resistive or inductive load.

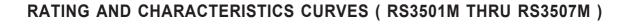
MAXIMUM RATINGS (@ TA=25 °C unless otherwise noted)

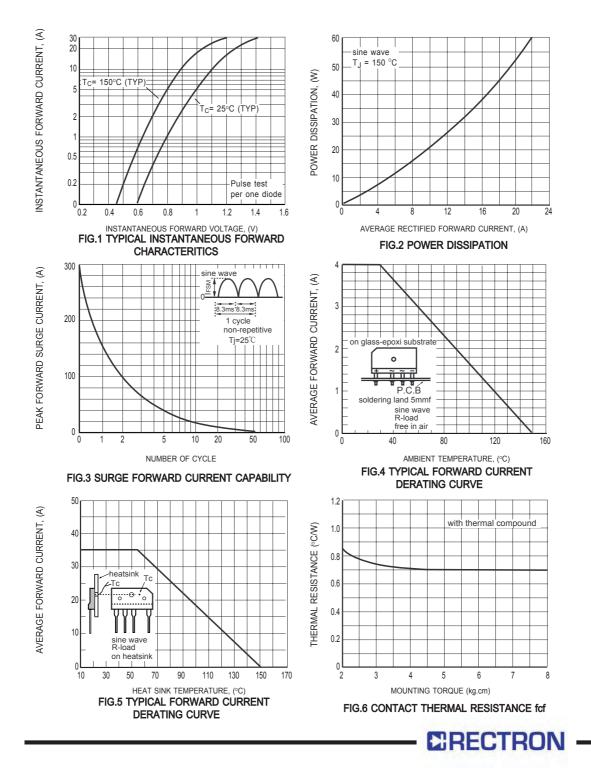
RATINGS	SYMBOL	RS3501M	RS3502M	RS3503M	RS3504M	RS3505M	RS3506M	RS3507M	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at T _C = 55°C	IO	35						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	300						Amps	
Typical Current Squared Time	l ² t	373.3					A ² /S		
Typical Thermal Resistance (Note 1)	$R_{\theta JC}$	1.0							°C/W
Typical memial resistance (NOLE T)	$R_{\theta JA}$	22							0/10
Operating and Storage Temperature Range	TJ, TSTG	-55 to + 150						٥C	

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

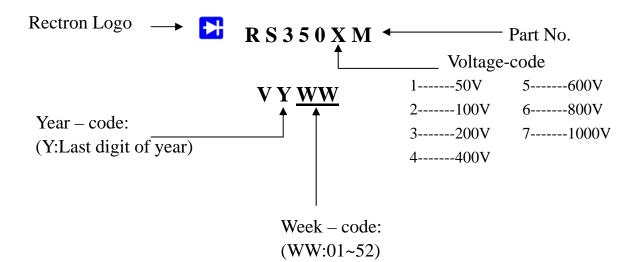
CHARACTERISTI	SYMBOL	RS3501M	RS3502M	RS3503M	RS3504M	RS3505M	RS3506M	RS3507M	UNITS	
Maximum Instantaneous Forward Vo	VF	1.1						Volts		
Maximum DC Reverse Current	@T _A = 25°C	l _R	5.0							
at Rated DC Blocking Voltage	@T _A = 125°C		200					uAmps		

NOTES: 1. Thermal Resistance : Heat-sink case mounted or if PCB mounted. 2. "Fully ROHS compliant", "100% Sn plating (Pb-free)". 2010-01 REV:B





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-35M	-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-35M	-C	600	490*135*110	510*293*131	1,200	13.12



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