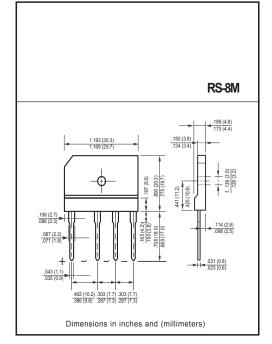
SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER VOLTAGE RANGE 50 to 1000 Volts CURRENT 8.0 Amperes

FEATURES

- * Low leakage
- * Low forward voltage
- * Surge overload rating : 200 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
- \star UL list the recognized component directory,file #E94233



RS801M THRU

RS807M

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)

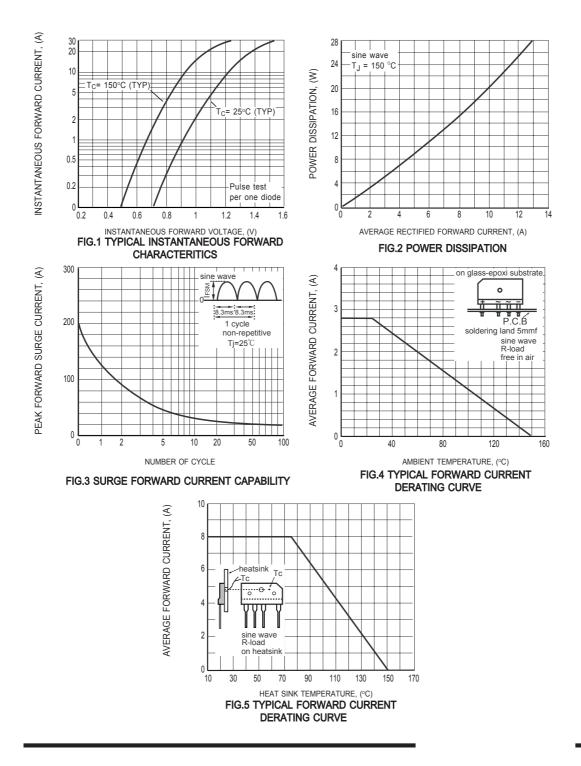
RATINGS	SYMBOL	RS801M	RS802M	RS803M	RS804M	RS805M	RS806M	RS807M	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at T _C = 75 °C (with heat sink)	IO	8.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	I _{FSM} 200						Amps	
Current Squarad Time	I ² T	I ² T 165.9						A ² /Sec	
RMS isolation voltage from case to lead	Viso	2000						Vac	
Typical Thermal Resistance (Note 1)	$R_{\theta JC}$	3.4							°C/W
	$R_{\theta JA}$	26							0/10
Operating and Storage Temperature Range	Tj, Tstg	-55 to + 150					٥C		

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

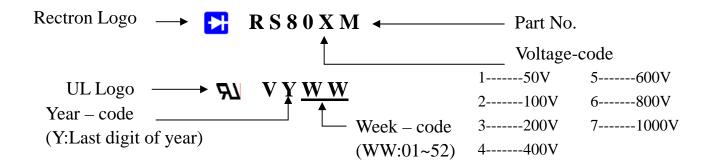
CHARACTERISTI	SYMBOL	RS801M	RS802M	RS803M	RS804M	RS805M	RS806M	RS807M	UNITS	
Maximum Instantaneous Forward Vo	VF	1.2						Volts		
Maximum DC Reverse Current	@T _A = 25°C	le le	5.0							
at Rated DC Blocking Voltage	@T _A = 125°C	IR	500						uAmps	

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





Marking Description



PACKAGING OF DIODE AND BRIDGE RECTIFIERS

BULK PACK

PACKA	GE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
RS-8N	1	-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-8M	-C	600	490*135*110	510*293*131	1,200	13.12

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