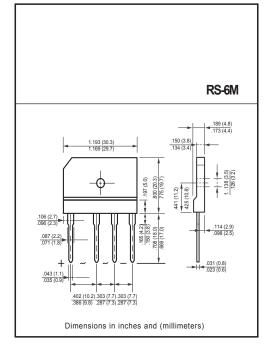
SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER VOLTAGE RANGE 50 to 1000 Volts CURRENT 6.0 Amperes

FEATURES

- * Low leakage
- * Low forward voltage
- * Low cost
- * Mounting position: Any

MECHANICAL DATA

- * Epoxy: Device has UL flammability classification 94V-O
- * UL list the recognized component directory,file #E94233



RS601M THRU

RS607M

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

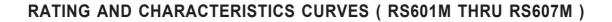
MAXIMUM RATINGS (@ TA=25 °C unless otherwise noted)

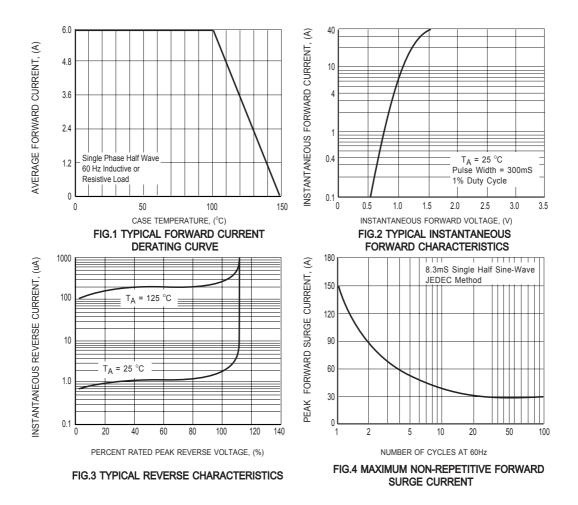
RATINGS	SYMBOL	RS601M	RS602M	RS603M	RS604M	RS605M	RS606M	RS607M	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at T _C = 100 °C (with heat sink)	Ι _Ο	6.0					Amps		
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	150					Amps		
Current Squarad Time	I ² T	93.3					A ² /Sec		
Typical Thermal Resistance (Note 1)	$R_{\theta JC}$	3.5							∘c/w
rypical memial resistance (NOLE 1)	$R_{\theta JA}$	26							0/10
Operating and Storage Temperature Range	TJ, TSTG	-55 to + 150					٥C		

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

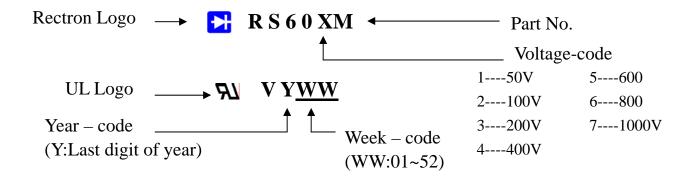
CHARACTERISTIC	SYMBOL	RS601M	RS602M	RS603M	RS604M	RS605M	RS606M	RS607M	UNITS	
Maximum Instantaneous Forward Voltage at 6.0A DC		VF	1.1						Volts	
Maximum DC Reverse Current	@T _A = 25°C	- I _R				5.0				
at Rated DC Blocking Voltage	@T _A = 125°C		300					uAmps		

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

PACKAGE	PACKING CODE			CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)	
RS-6M	-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-6M	-C	600	490*135*110	510*293*131	1,200	13.12

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