

RS605M

-C-LV

SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER **VOLTAGE RANGE 600 Volts CURRENT 6 Amperes**

FEATURES

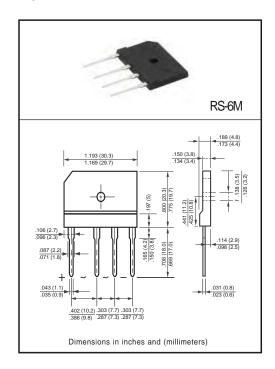
- * Low leakage
- * Low forward voltage
- * Surge overload rating: 250 amperes peak
- * Mounting position: Any
- * Ideal for printed circuit boards
- * High forward surge current capability

MECHANICAL DATA

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

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)

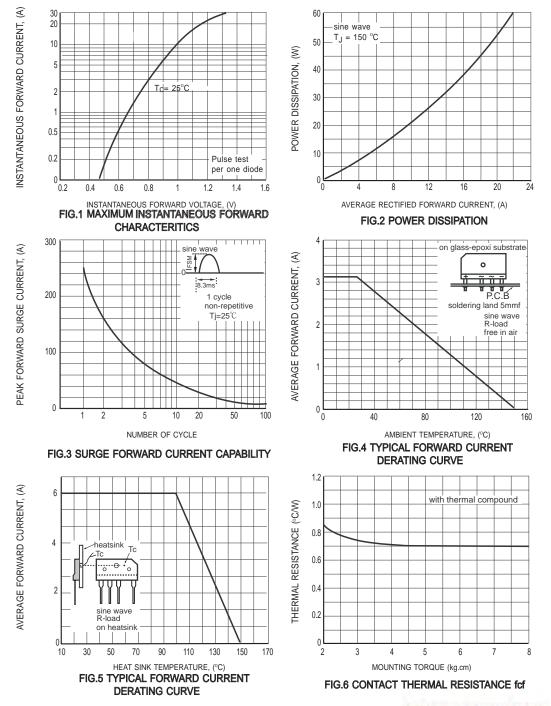
RATINGS	SYMBOL	RS605M-C-LV	UNITS	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	600	Volts	
Maximum RMS Voltage	V _{RMS}	420	Volts	
Maximum DC Blocking Voltage	V _{DC}	600	Volts	
Maximum Average Forward Rectified Current at T _C = 100°C	Io	6	Amps	
Insulation voltage	Viso	3000	Volts	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	250	Amps	
Typical Current Squared Time	I ² T	259.3	A ² S	
Typical Thermal Resistance (Note 1)	R⊕JC	1.5	°C/W	
Typical Thermal Nesistance (Note 1)	$R_{\Theta JA}$	22		
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to + 150	°C	

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

CHARACTERISTICS	SYMBOL	RS605M-C-LV	UNITS	
Maximum Instantaneous Forward Voltage at 6	DC V _F	0.9	Volts	
Maximum DC Reverse Current @TA = 2	°C Is	5.0		
at Rated DC Blocking Voltage @T _A = 1	0°C	200	uAmps	

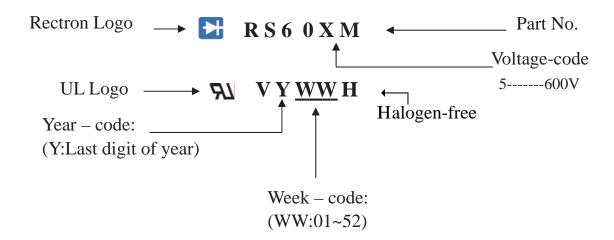
NOTES: 1. Thermal Resistance: Heat-sink case mounted or if PCB mounted.

RATING AND CHARACTERISTICS CURVES (RS605M -C-LV)





Marking Description





PACKAGING OF DIODE AND BRIDGE RECTIFIERS

BULK PACK

PAC	CKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
RS	S-6M	-В	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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