

RS201M THRU RS207M



SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER VOLTAGE RANGE 50 to 1000 Volts CURRENT 2.0 Amperes

FEATURES

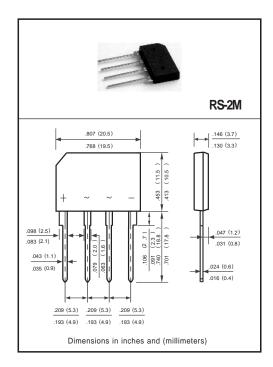
- * Ideal for printed circuit board
- * Mounting position: Any

MECHANICAL DATA

* Epoxy: Device has UL flammability classification 94V-O

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 $^{\circ}\text{C}$ ambient temperature unless otherwise specified. resistive or inductive load.



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

RATINGS	SYMBOL	RS201M	RS202M	RS203M	RS204M	RS205M	RS206M	RS207M	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 _A = 105°C					Amps				
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	60				Amps			
Current Squarad Time	I ² T	14.9							A ² /Sec
Typical Thermal Resistance (Note 1)	$R_{\theta JC}$	11							°C/W
Typical Thermal Resistance (Note 1)	$R_{\theta JA}$	37							
Typical Junction Capacitance (Note 3)	CJ	15			pF				
Operating and Storage Temperature Range T _J , T _{STG} -55 to + 150					٥C				

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

CHARACTERISTICS		SYMBOL	RS201M	RS202M	RS203M	RS204M	RS205M	RS206M	RS207M	UNITS
Maximum Instantaneous Forward Voltage at 2.0A DC		V _F	1.1						Volts	
Maximum DC Reverse Current	@T _A = 25°C	ln.	5.0							
at Rated DC Blocking Voltage	@T _A = 100°C	IR	500						μAmps	

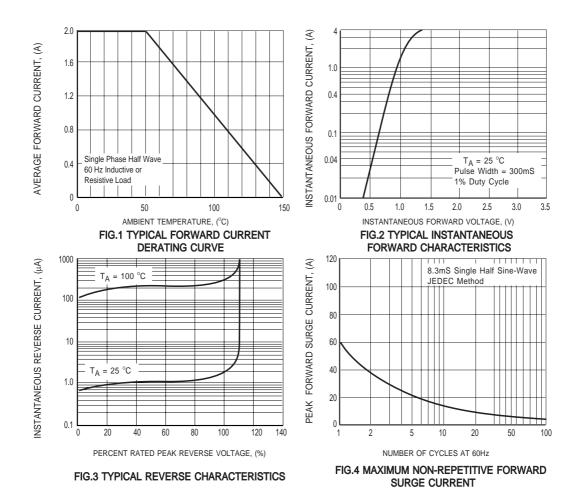
NOTES: 1. Thermal Resistance: Heat-sink case mounted or if PCB mounted.
2. "Fully ROHS compliant", "100% Sn plating (Pb-free)".
3. Measure at 1 MHz and applied reverse voltage of 4.0 Volts.

- 4. Available in Halogen-free epoxy by adding suffix -HF after the part nbr.

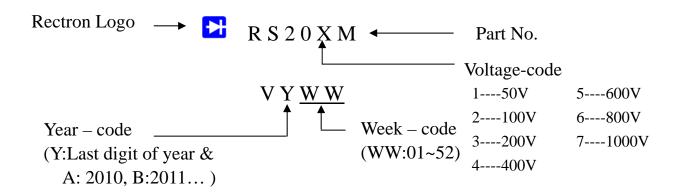
2011-05

REV:B

RATING AND CHARACTERISTICS CURVES (RS201M THRU RS207M)



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-2M	-B	600	236*236*40	502*251*145	3,600	10.28	

TUBE PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE CARTON SIZE (mm) (mm)		EA PER CARTON	WEIGHT(Kg)	
RS-2M	-C	1,350	540*118*118	560*259*144	2,700	12.03	



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