

RS201M THRU RS207M

SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

VOLTAGE RANGE 50 to 1000 Volts CURRENT 2.0 Amperes

FEATURES

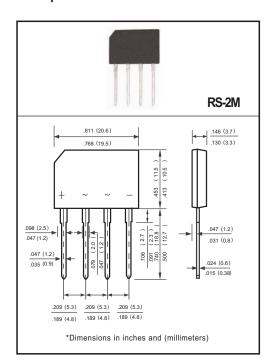
- * Ideal for printed circuit board
- * Surge overload rating: 60 amperes peak
- * Mounting position: Any

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.



$\textbf{MAXIMUM RATINGS} \ (@\ \mathsf{TA=25\ ^{\circ}C\ unless\ otherwise\ noted})$

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 = 50°C	Io	2.0							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	l ² t 14.9						A ² /Sec		
Insulation voltage	Viso	Viso 3000						Volts	
T : 1T	R _O JC	11							
Typical Thermal Resistance (Note 1)	R _{ΘJA}	37							°C/W
Typical Junction Capacitance (Note 3)	СЈ	15					pF		
Operating and Storage Temperature Range	T _J , T _{STG}	G -55 to + 150					°C		

$\textbf{ELECTRICAL CHARACTERISTICS} (@T_A = 25 \ ^{\circ}\text{C unless otherwise noted})$

CHARACTERISTICS		SYMBOL	RS201M	RS202M	RS203M	RS204M	RS205M	RS206M	RS207M	UNITS
Maximum Instantaneous Forward Voltage at 2.0A DC		V _F	1.05							Volts
Maximum DC Reverse Current	@T _A = 25°C	- I _R				0.2				_
at Rated DC Blocking Voltage	@T _A = 100°C		25							uAmps

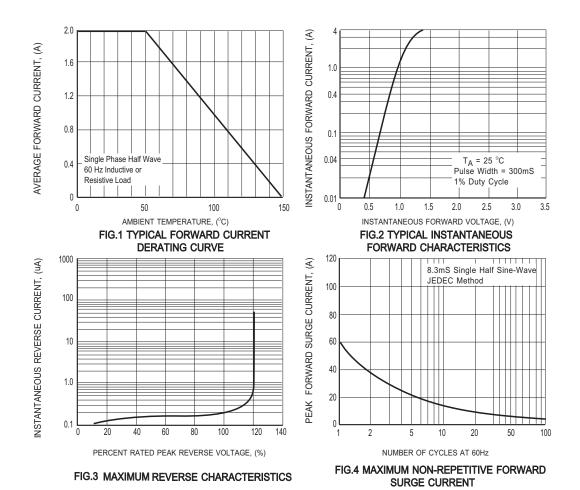
 ${\tt NOTES: 1.Thermal\ Resistance: Heat-sink\ case\ mounted\ or\ if\ \ PCB\ mounted}.$

2.ROHS compliant"

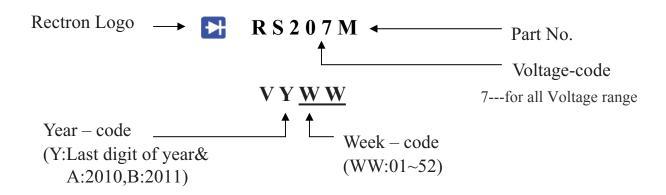
3. Measureed at 1MHz and applied reverse voltage of 4.0 volts.

2023-10/111 REV:F

RATING AND CHARACTERISTICS CURVES (RS201M THRU RS207M)



Marking Description





PACKAGING OF DIODE AND BRIDGE RECTIFIERS

TUBE PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	WEIGHT(Kg)
RS-2M	-C	1,000	448*158*65	465*335*155	4,000	15.00



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