

## SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER



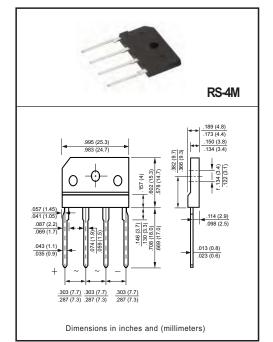
VOLTAGE RANGE 50 to 1000 Volts CURRENT 4.0 Amperes

#### FEATURES

- \* Ideal for printed circuit board
- \* Surge overload rating: 130 amperes peak
- \* Mounting position: Any

#### **MECHANICAL DATA**

\* Epoxy: Device has UL flammability classification 94V-O \* Epoxy: UL listed the recognized component,file #94233



**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)

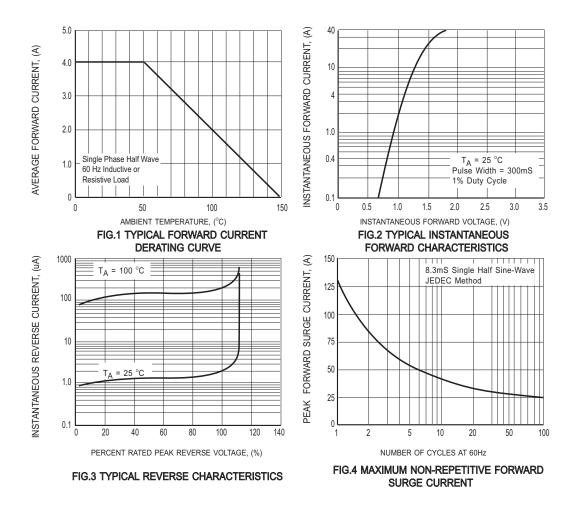
RATINGS	SYMBOL	RS401M	RS402M	RS403M	RS404M	RS405M	RS406M	RS407M	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at $T_A = 50^{\circ}C$	lo	4.0						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I <sub>FSM</sub>	130				Amps			
Current Squared Time	l² t	70					A <sup>2</sup> S		
Typical Thermal Resistance (Note 1)	R <sub>θJC</sub>	6.0							
	$R_{\theta JA}$	26							°C/W
Operating and Storage Temperature Range	Tj, T <sub>STG</sub>	-55 to + 150				٥C			

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

CHARACTERISTI	SYMBOL	RS401M	RS402M	RS403M	RS404M	RS405M	RS406M	RS407M	UNITS	
Maximum Instantaneous Forward Voltage at 4.0A DC		VF	1.1						Volts	
Maximum DC Reverse Current	@T <sub>A</sub> = 25°C	- I <sub>R</sub>				2.0				
at Rated DC Blocking Voltage	@T <sub>A</sub> = 100°C		<sup>1</sup> R 200					uAmps		

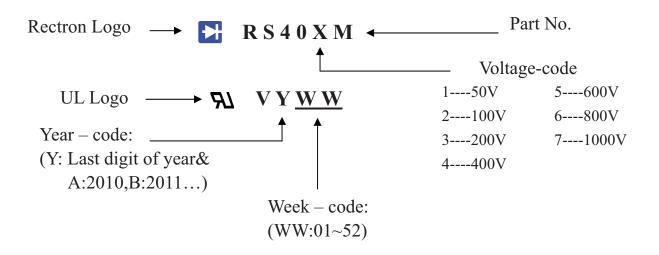
NOTES: 1.Thermal Resistance : Heat-sink case mounted or if PCB mounted. 2. "Fully ROHS compliant", "100% Sn plating (Pb-free)". 2014-12 REV: O

### RATING AND CHARACTERISTICS CURVES (RS401M THRU RS407M)





## **Marking Description**



## **C**RECTRON

# 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)
f	RS-4M/-10M	-C	900	540*118*118	560*259*144	1,800	12.82



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