

**RS201L THRU RS207L** 

### SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

VOLTAGE RANGE 50 to 1000 Volts CURRENT 2.0 Amperes

### **FEATURES**

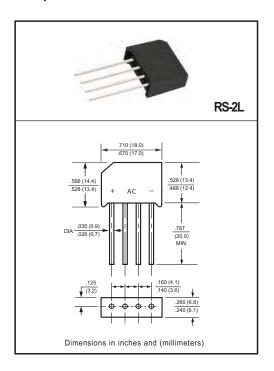
- \* Ideal for printed circuit board
- \* Surge overload rating: 60 amperes peak
- \* Weight: 2.74 grams
- \* Mounting position: Any

### **MECHANICAL DATA**

- \* Epoxy: Device has UL flammability classification 94V-O
- \* UL listed the recognized component directory,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	RS201L	RS202L	RS203L	RS204L	RS205L	RS206L	RS207L	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	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 <sub>A</sub> = 50°C	Io	2.0						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I <sub>FSM</sub>	60					Amps		
Current Squarad Time	I <sup>2</sup> t	14.9				A <sup>2</sup> /Sec			
Typical Thermal Resistance (Note 1)	$R_{\Theta JC}$	15							°C/W
Typical Thermal Nesistance (Note 1)	$R_{\ThetaJA}$	40							0/11
Typical Junction Capacitance (Note 3)	СЈ	15			pF				
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-55 to + 150				°C			

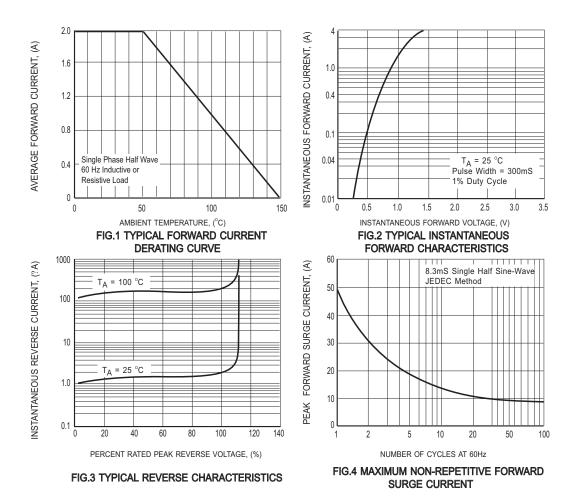
#### ELECTRICAL CHARACTERISTICS(@TA=25 °C unless otherwise noted)

CHARACTERISTICS		SYMBOL	RS201L	RS202L	RS203L	RS204L	RS205L	RS206L	RS207L	UNITS
Maximum Instantaneous Forward Voltage at 2.0A DC		V <sub>F</sub>	1.1						Volts	
Maximum DC Reverse Current	@T <sub>A</sub> = 25°C	- I <sub>R</sub>	2.0						uAmps	
at Rated DC Blocking Voltage	@T <sub>A</sub> = 100°C		200							

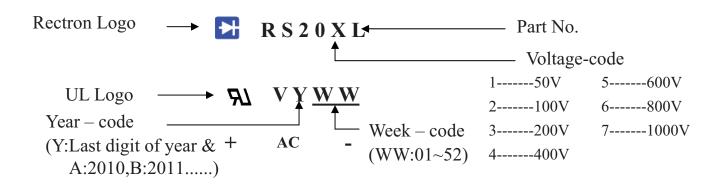
NOTES: 1.Thermal Resistance: Heat-sink case mounted or if PCB mounted.
2. "Fully ROHS compliant", "100% Sn plating (Pb-free)".
3. Measureed at 1MHz and applied reverse voltage of 4.0 volts.

2014-11

## RATING AND CHARACTERISTICS CURVES ( RS201L THRU RS207L )



## **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-2L	-B	400	213*162*52	450*220*255	4,000	13.65	



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