



SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

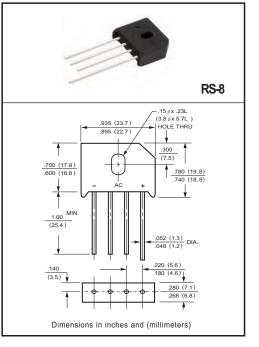
VOLTAGE RANGE 50 to 1000 Volts CURRENT 8.0 Amperes

FEATURES

- * Ideal for printed circuit board
- * Surge overload rating: 50 amperes peak
- * Low leakage
- * Mounting position: Any
- * Low forward voltage
- * High forward surge current capability

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	RS801	RS802	RS803	RS804	RS805	RS806	RS807	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	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 _C = 75°C	lo	8.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	250						Amps	
Current Squarad Time	I^2T	259.2					A ² /Sec		
Typical Thermal Resistance (Note 1)	R _{OJC}	7							
	R _{0JA}	18							°C/W
Current Square Time Value	I²T	259.3					A ² S		
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to + 150						٥C	

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

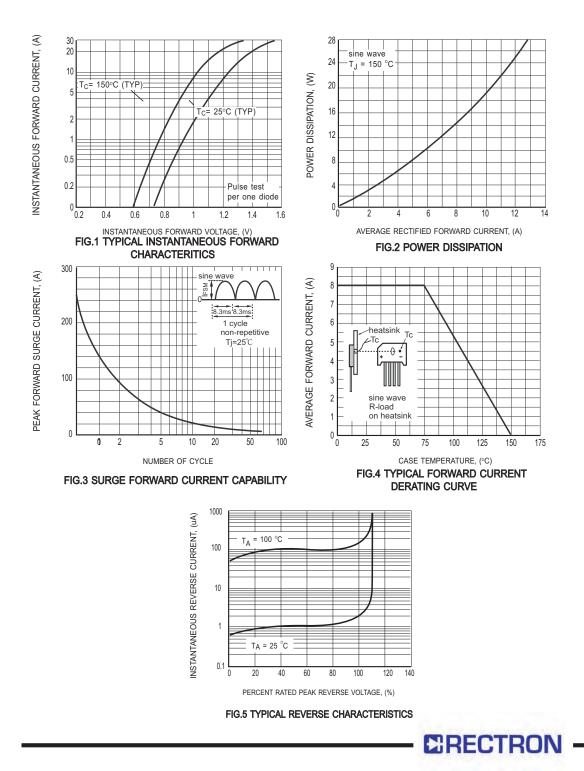
CHARACTERISTICS		SYMBOL	RS801	RS802	RS803	RS804	RS805	RS806	RS807	UNITS
Maximum Instantaneous Forward Voltage at 8.0A DC		VF	1.2							Volts
Maximum DC Reverse Current	@T _A = 25°C	- I _R	5.0						uAmps	
at Rated DC Blocking Voltage	@T _A = 100°C		200							

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

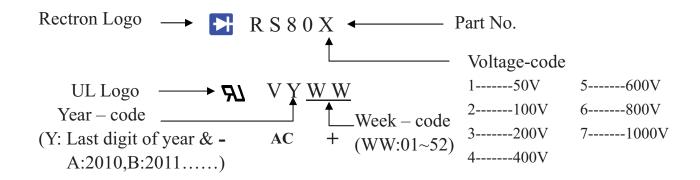
"Fully ROHS compliant", "100% Sn plating (Pb-free)".
Measureed at 1MHz and applied reverse voltage of 4.0 volts.

2014-12 REV:C





Marking Description



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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-8	-B	200	236*236*34	497*255*162	1,600	13.6 / 14.5

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