





SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

VOLTAGE RANGE 50 to 1000 Volts CURRENT 15.0 Amperes

FEATURES

- * Low leakage
- * Low forward voltage
- * Silver-plated copper leads
- * Surge overload rating: 250 amperes peak
- * Mounting position: Any



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



Please See Page 3 for Dimension

Dimensions in inches and (millimeters)

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	RBU1501M	RBU1502M	RBU1503M	RBU1504M	RBU1505M	RBU1506M	RBU1507M	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 _C = *100 °C (Note 4)	I _O	15.0				Amps			
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	250					Amps		
Typical Current Squarad Time	l ² t	259.2					A ² /Sec		
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to + 150					٥C		

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

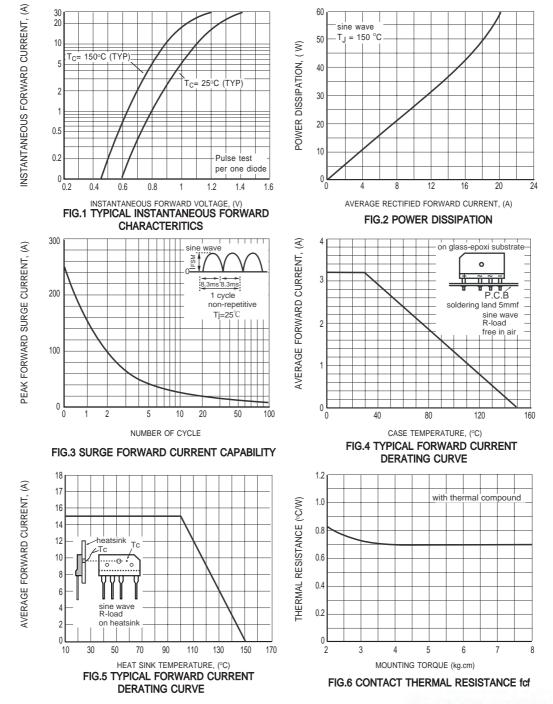
CHARACTERISTICS SYMBOL		RBU1501M RBU1502M	RBU1503M RBU1504M	RBU1505M RBU1506M	RBU1507M	UNITS	
Maximum Instantaneous Forward Volt	age at 7.5A DC	V _F	1.1				Volts
Maximum DC Reverse Current	Reverse Current @T _A = 25°C		5.0				
at Rated DC Blocking Voltage	@T _A = 100°C	IR IR	100				uAmps

NOTES: 1. "Fully ROHS compliant", "100% Sn plating (Pb-free)".
2. "*" Heat Sink Temperature.

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

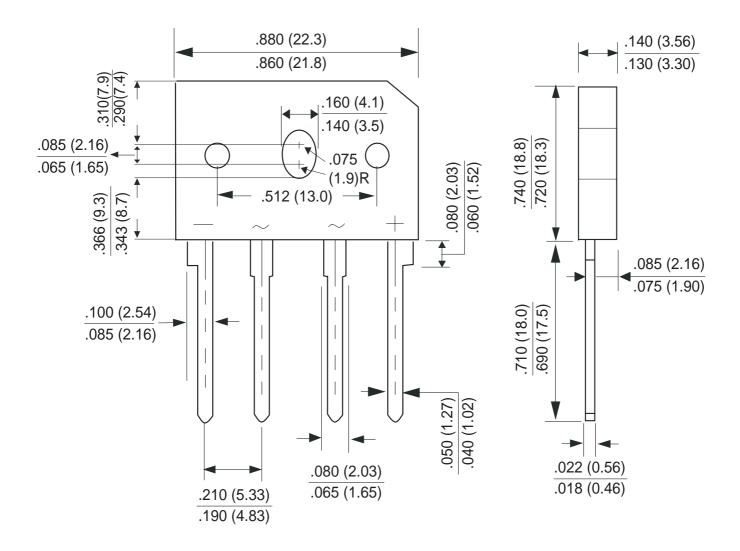
2010-05 REV: B

RATING AND CHARACTERISTICS CURVES (RBU1501M THRU RBU1507M)

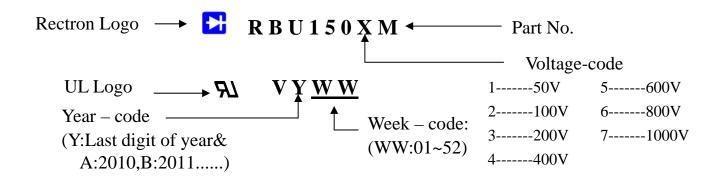




Dimensions in inches and (millimeters)



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)
RBU	-B	450	240*239*35	502*251*126	2,700	13.00

TUBE PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	WEIGHT(Kg)
RBU	-C	1,000	490*135*110	510*293*131	2,000	13.62



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