



SINGLE-PHASE GLASS PASSIVATED

SILICON BRIDGE RECTIFIER

VOLTAGE RANGE 50 to 1000 Volts CURRENT 8.0 Amperes

FEATURES

- * Low leakage
- * Low forward voltage
- * Mounting position: Any
- * Surge overload rating: 200 amperes peak
- * Ideal for printed circuit boards
- * High forward surge current capability

MECHANICAL DATA

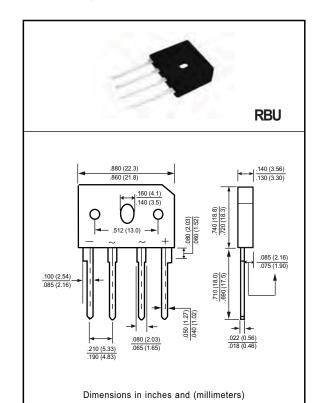
* UL listed the recognized component directory, file #E94233

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

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



MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

For capacitive load, derate current by 20%.

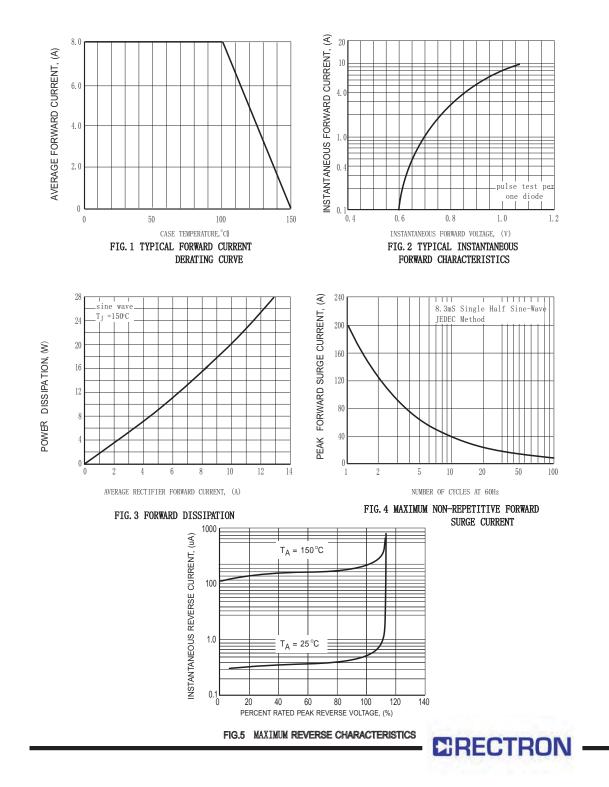
RATINGS	SYMBOL	RBU801M	RBU802M	RBU803M	RBU804M	RBU805M	RBU806M	RBU807M	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	Volts
Maximum RMS Bridge Input Voltage	Vrms	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Output Current at Tc = 75°C	lo	8.0				Amps			
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load	Ifsm	200			Amps				
Typical Current Squarad Time	l ² t	167			A ² /Sec				
	Rθja	21						°C/W	
Typical Thermal Resistance (Note 1)	Rθjc	2					0700		
Operating and Storage Temperature Range	Tj,Tstg	-55 to + 150			° C				

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

CHARACTERISTICS		SYMBOL	RBU801M RBU802M RBU803M RBU804M RBU805M RBU806M RBU807M	UNITS	
Maximum Forward Voltage Drop per element at	8.0A DC	Vf	1.0	Volts	
Maximum Reverse Current at Rated	@Ta = 25°C	In	0.5		
DC Blocking Voltage per element	@TA = 150°C	IR IR	500		

NOTE: 1. Units mounted in free air, no heatsink on P.C.B., 0.5x0.5" (12x12mm) copper pads, 0.375" lead length.

ROHS compliant"

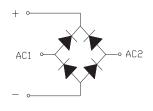


RATING AND CHARACTERISTICS CURVES (RBU801M THRU RBU807M)

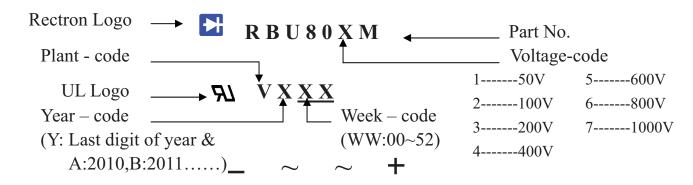


Attachment information about RBU80XM

1. Internal Circuit



2. Marking on the body



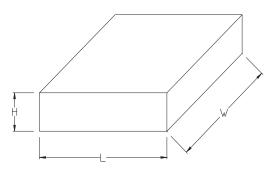
PACKAGING OF DIODE AND BRIDGE RECTIFIERS

TUBE PACK

PACKAGI	E 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

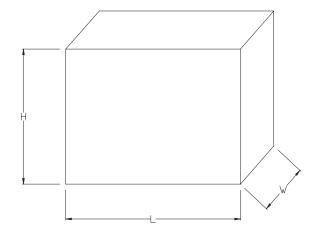


1. BOX



Packing	L	W	Н
Code	(mm)	(mm)	(mm)
-C	490	135	110

2. CARTON



Packing	L	W	Н
Code	(mm)	(mm)	(mm)
-С	510	293	131

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