

RBU2505M -C-LV

SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER **VOLTAGE RANGE 600 Volts CURRENT 25 Amperes**

FEATURES

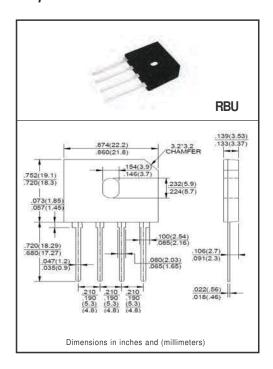
- * Low leakage
- * Low forward voltage
- * Surge overload rating: 350 amperes peak
- * Mounting position: Any
- * Ideal for printed circuit boards
- * High forward surge current capability

MECHANICAL DATA

- * Epoxy: Device has UL flammability classification 94V-O * UL list the recognized component directory,file #E94233

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 $^{\circ}\text{C}$ ambient temperature unless otherwise specified. resistive or inductive load.



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

RATINGS	SYMBOL	RBU2505M-C-LV	UNITS	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	600	Volts	
Maximum RMS Voltage	V _{RMS}	420	Volts	
Maximum DC Blocking Voltage	V _{DC}	600	Volts	
Maximum Average Forward Rectified Current at T _C = 100°C	lo	25	Amps	
Insulation voltage	Viso	2500	Volts	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	35 0	Amps	
Typical Current Squared Time	I ² T	508	A ² S	
Typical Thermal Resistance (Note 1)	R _{⊝JC}	5	°C/W	
Typical memial nesistance (Note 1)	$R_{\Theta JA}$	22		
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to + 150	۰C	

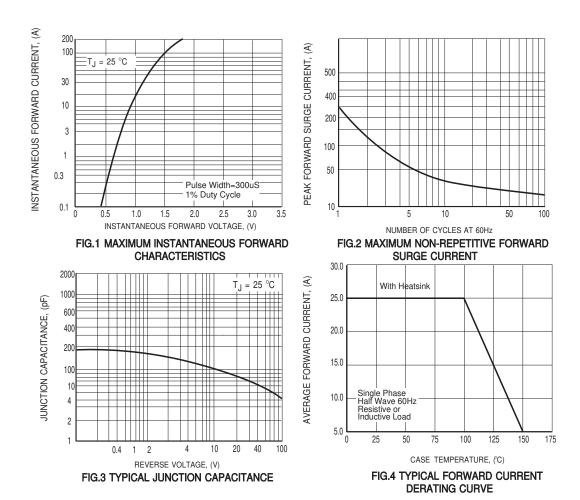
ELECTRICAL CHARACTERISTICS(@T_A=25 °C unless otherwise noted)

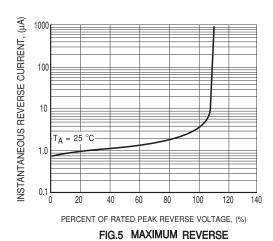
	CHARACTERISTICS			RBU2505M-C-LV	
Maximum I	Maximum Instantaneous Forward Voltage at 12.5A DC		V _F	.92	
Maximum	Maximum DC Reverse Current	@T _A = 25°C	la.	5.0	_
at Rated DC Blocking Voltage	@T _A = 125°C	чĸ	500	uAmps	

NOTES: 1.Thermal Resistance: Heat-sink case mounted or if PCB mounted. 2. "ROHS compliant".

2018-11 REV:A

RATING AND CHARACTERISTICS CURVES (RBU2501M-C-LV)

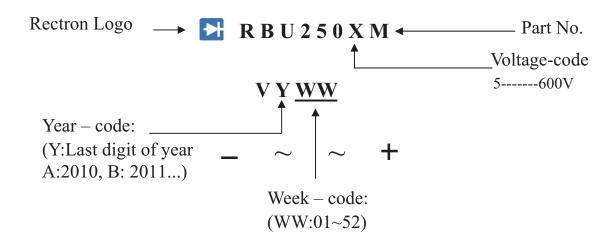




CHARACTERISTICS



Marking Description





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)
RBU	-C	1,000	490*135*110	510*293*131	2,000	13.62



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