

RS2508M

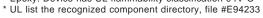
SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER VOLTAGE RANGE 1200 Volts CURRENT 25 Amperes

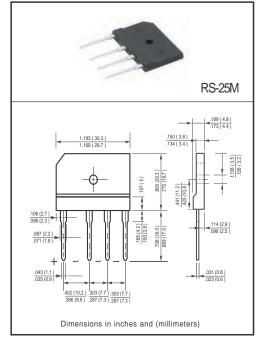
FEATURES

- * Low leakage
- * Low forward voltage
- * Mounting position: Any
- * Surge overload rating: 300 amperes peak
- * Ideal for printed cikcuit boakds
- * High forward surge current capability

MECHANICAL DATA

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





MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load.

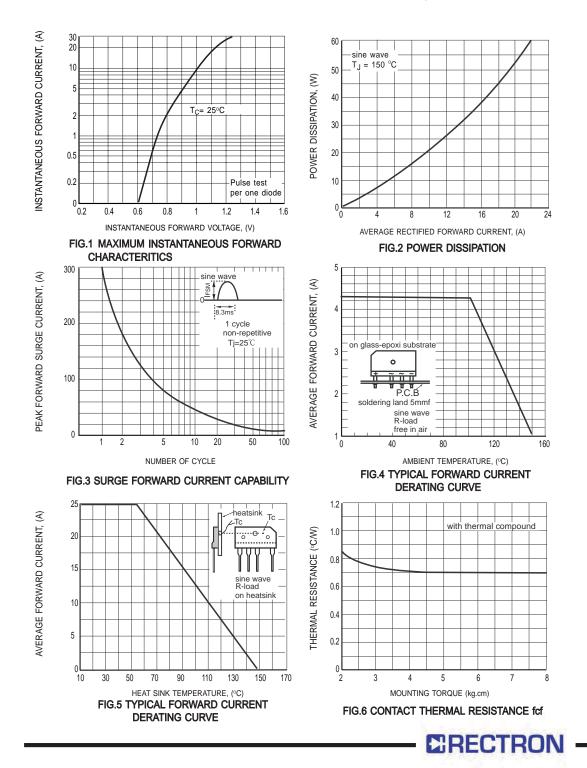
RATINGS		YMBOL	RS2508M	UNITS
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	1200	Volts
Maximum RMS Voltage		V _{RMS}	840	
Maximum DC Blocking Voltage		V _{DC}	1200	Volts
Maximum Average Forward Rectified Current at T _C =55°C			25 4.3	Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)		I _{FSM}	300	Amps
Typical Current Squared Time		l ² t	373.3	A ² S
Insulation voltage		Viso	3000	
Typical Thermal Resistance (Note 1)		R _{OJC}	1.0	°C/W
Typical Thermal Resistance (Note 1)		R _{OJA}	22	
Operating Temperature Range		TJ	150	
Storage Temperature Range		T _{STG}	-55 to + 150	

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

CHARACTERISTICS		SYMBOL	R\$2508M	UNITS
Maximum Forward Voltage at 12.5A DC		Vf	1.05	
Maximum DC Average Reverse Current at	@TA = 25°C		0.5	uAmps
Rated DC Blocking Voltage	@TA = 125°C		200	uAmps

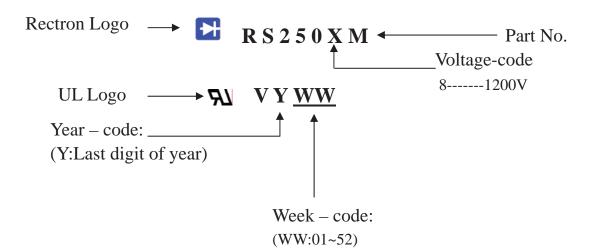
NOTES : 1. Thermal resistance : Heat-sink case mounted. 2. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

2017-11 REV:O



RATING AND CHARACTERISTICS CURVES (RS2508M)

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-25M	-B	300	230*190*46	410*243*157	1,800	13.37

TUBE PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	WEIGHT(Kg)
RS-25M	-C	600	490*135*110	510*293*131	1,200	13.12



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