



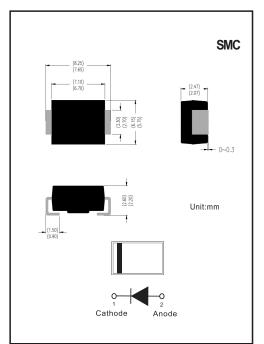
SURFACE MOUNT **GLASS PASSIVATED SILICON RECTIFIER** VOLTAGE 2000 Volts CURRENT 3.0 Ampere

FEATURES

- * Glass passivated device
- * Ideal for surface mounted applications
- * Low leakage current
- * Metallurgically bonded construction
- * Mounting position: Any

MECHANICAL DATA

* Epoxy : Device has UL flammability classification 94V-0



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25 °C ambient temperature unless otherwise specified. resistive or inductive load.

RATINGS	SYMBOL	FM32000	UNIT	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	2000	Volts	
Maximum RMS Voltage	V _{RMS}	1400	Volts	
Maximum DC Blocking Voltage	V _{DC}	2000	Volts	
Maximum Average Forward Rectified Current at Lead Temperature	I _O	3.0	Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	100	Amps	
Typical Current Squared Time	I ² T 41.5		A ² S	
Typical Thermal Resistance (Note 1)	R _{ØJA} 47		°C/W	
Typical Thermal Resistance (Note 1)	R _{OJL}	R _{OJL} 13		
Typical Junction Capacitance (Note 2)	CJ	60		
Operating Temperature Range	TJ	-55 to +150		
Storage Temperature Range	T _{STG}	-55 to +150		

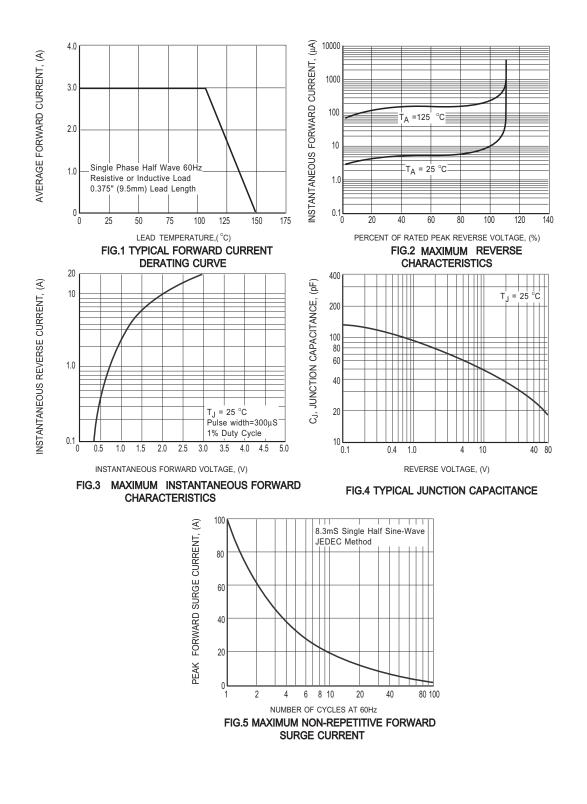
ELECTRICAL CHARACTERISTICS (@TA=25 °C unless otherwise noted)

CHARACTERISTICS			FM32000	UNITS
Maximum Instantaneous Forward Voltage at 3.0A DC			1.15	Volts
Maximum Average Reverse Current	@T _A = 25°C		10	uA
t Rated DC Blocking Voltage	@T _A =125 °C	IR	250	uA
Maximum Reverse Recovery Time (Note 4) trr			2.0	uSec
NOTES : 1. Thermal Resistance :Mounted on PCB. 2. Measured at 1 MHz and applied reverse voltage of 4.0 volts				

2. Measured at 1 MHz and applied reverse voltage of 4.0 volts. 3."RoHS compliant".

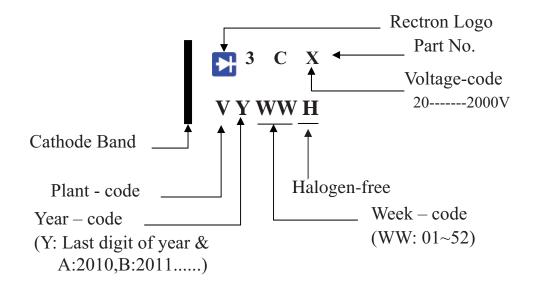
4.Test Conditions: I_F = 0.5A, I_R = -1.0A, I_{RR} = -0.25A





CRECTRON

Marking Description



ERECTRON -

PACKAGING OF DIODE AND BRIDGE RECTIFIERS

REEL PACK

PAC	CKAGE	PACKING CODE	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
s	SMC	-W/-T	3,000	3,000			330	360*355*360	24,000	11.50

DISCLAIMER NOTICE

Rectron Inc reserves the right to make changes without notice to any product specification herein, to make corrections, modifications, enhancements or other changes. Rectron Inc or anyone on its behalf assumes no responsibility or liability for any errors or inaccuracies. Data sheet specifications and its information contained are intended to provide a product description only. "Typical" parameters which may be included on RECTRON data sheets and/ or specifications can and do vary in different applications and actual performance may vary over time. Rectron Inc does not assume any liability arising out of the application or use of any product or circuit.

Rectron products are not designed, intended or authorized for use in medical, life-saving implant or other applications intended for life-sustaining or other related applications where a failure or malfunction of component or circuitry may directly or indirectly cause injury or threaten a life without expressed written approval of Rectron Inc. Customers using or selling Rectron components for use in such applications do so at their own risk and shall agree to fully indemnify Rectron Inc and its subsidiaries harmless against all claims, damages and expenditures.

