



SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

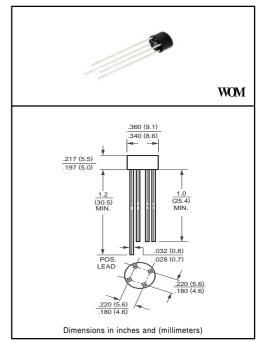
VOLTAGE RANGE 50 to 1000 Volts CURRENT 1.5 Amperes

FEATURES

- * High reverse voltage to 1000V
- * Surge overload ratings to 50 amperes peak
- * Good for printed circuit board assembly
- * Mounting position: Any
- * Weight: 1.20 grams

MECHANICAL DATA

- * UL listed the recognized component directory, file #E94233
- * 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. For capacitive load, derate current by 20%.

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

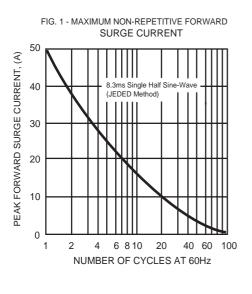
RATINGS	SYMBOL	W005M	W01M	W02M	W04M	W06M	W08M	W10M	UNITS	
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	Volts	
Maximum RMS Bridge Input Voltage	Vrms	35	70	140	280	420	560	700	Volts	
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts	
Maximum Average Forward Rectified Output Current at TA = 25°C	lo	1.5							Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave	IFSM	Inou				50				
superimposed on rated load (JEDEC method)	IFSM	30							Amps	
Typical Thermal Resistance	RθJA	40							⁰C/W	
	RθJC	22								
Operating Temperature Range	TJ	-55 to + 150							٥C	
Storage Temperature Range	Tstg	-55 to + 150						٥C		

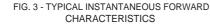
ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

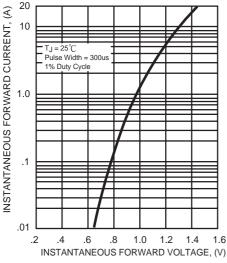
CHARACTERISTICS		SYMBOL	W005M	W01M	W02M	W04M	W06M	W08M	W10M	UNITS
Maximum Forward Voltage Drop per element at 1.0A DC		Vf	1.0							Volts
Maximum Reverse Current at Rated	@TA = 25°C	IR	5.0							uAmps
DC Blocking Voltage per element	@TA = 100°C					1				mAmps

Note: "Fully ROHS compliant", "100% Sn plating (Pb-free)".

RATING AND CHARACTERISTIC CURVES (W005M THRU W10M)







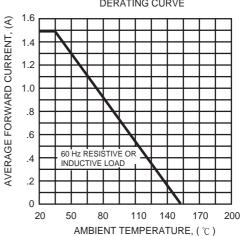
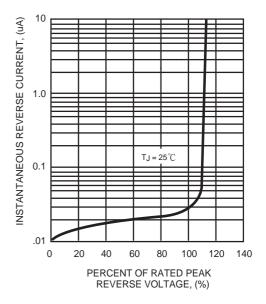


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS



RECTRON

FIG. 2 - TYPICAL FORWARD CURRENT DERATING CURVE