## W005M THRU W10M

SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIER

Voltage: 50 TO 1000V CURRENT:1.5A

### **FEATURES**

Ideal for printed circuit board Surge overload rating: 50A peak High case dielectric strength

#### **MECHANICAL DATA**

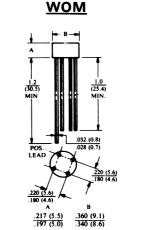
. Terminal: Plated leads solderable per

MIL-STD 202E, method 208C

. Case: UL-94 Class V-0 recognized Flame Retardant Epoxy

. Polarity: Polarity symbol marked on body

. Mounting position: any



Dimensions in inches and (millimeters)

#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Single-phase, half-wave, 60HZ, resistive or inductive load rating at 25 °C , unless otherwise stated,

	SYMBOL	W005M	W01M	W02M	W04M	W06M	W08M	W10M	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V
Maximum DC blocking Voltage	Vdc	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified current at Ta=25 $^{\circ}\mathrm{C}$	lf(av)	1.5							A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	50							А
Maximum Instantaneous Forward Voltage at forward current 1.5A DC	Vf				1.0				٧
Maximum DC Reverse Voltage Ta=25 °C at rated DC blocking voltage Ta=100 °C	lr	10.0 1.0							μ <sub>A</sub> mA
Operating Temperature Range	Tj	-55 to +125							$^{\circ}\mathrm{C}$
Storage and operation Junction Temperature	Tstg	-55 to +150							°C

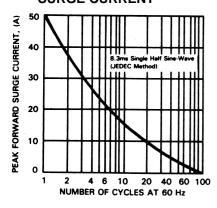
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### RATINGS AND CHARACTERISTIC CURVES W005M THRU W10M

# FIG.1-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT



# FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

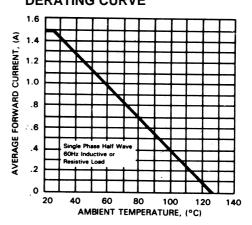


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

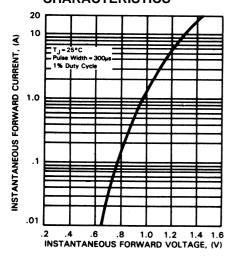


FIG.4-TYPICAL REVERSE
CHARACTERISTICS

