W005M THRU W10M



SINGLE PHASE 1.5 AMP BRIDGE RECTIFIERS



50 to 1000 Volts

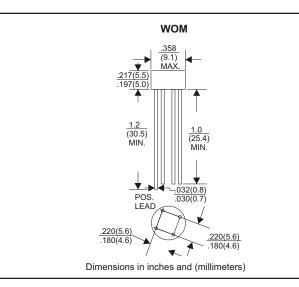
VOLTAGE RANGE

CURRENT

1.5 Amperes

FEATURES

- * Ideal for printed circuit board
- * Low forward voltage
- * Low leakage current
- * Polarity: marked on body
- * Mounting position: Any
- * Weight: 1.20 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER		W005M	W01M	W02M	W04M	W06M	W08M	W10M	UNITS
Maximum Recurrent Peak Reverse Voltage		50	100	200	400	600	800	1000	V
Maximum RMS Voltage		35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current						•			
.375"(9.5mm) Lead Length at Ta=25°C		1.5							Α
Peak Forward Surge Current, 8.3 ms single half sine-wave									
superimposed on rated load (JEDEC method)		50							Α
Maximum Forward Voltage Drop per Bridge Element at 1.0A D.C.		1.0							V
Maximum DC Reverse Current Ta=25°C			10						
at Rated DC Blocking Voltage Ta=100°C		500							μА
Operating Temperature Range, Tj		-65—+125							°C
Storage Temperature Range, TSTG		-65 — +150							°C

RATING AND CHARACTERISTIC CURVES (W005M THRU W10M)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

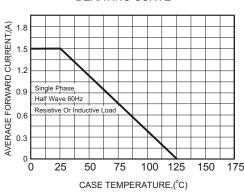


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

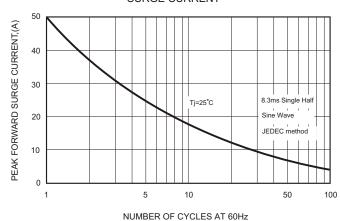


FIG.3-TYPICAL FORWARD

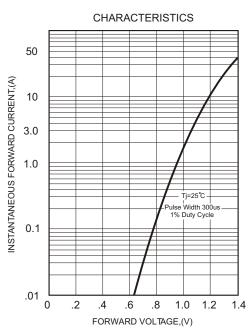


FIG.4-TYPICAL REVERSE

