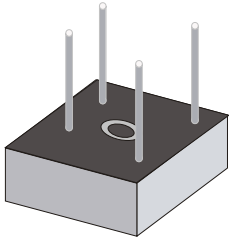


# MB1505W THRU MB1510W

# FMS

## SINGLE PHASE 15 AMP BRIDGE RECTIFIERS



### FEATURES

- \* Superior thermal design
- \* 300 amperes surge capability
- \* Mounting: Hole thru for #8 screw

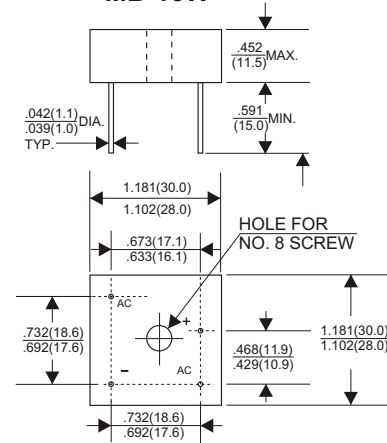
### VOLTAGE RANGE

50 to 1000 Volts

### CURRENT

15.0 Amperes

MB-15W



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	MB1505W	MB151W	MB152W	MB154W	MB156W	MB158W	MB1510W	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 Tc=55°C								15	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)								300	A
Maximum Forward Voltage Drop per Bridge Element at 7.5A D.C.								1.1	V
Maximum DC Reverse Current Ta=25°C								10	A
at Rated DC Blocking Voltage Ta=100°C								500	A
Operating Temperature Range, Tj								-65 — +125	°C
Storage Temperature Range, Tstg								-65 — +150	°C

## RATING AND CHARACTERISTIC CURVES (MB1505W THRU MB1510W)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

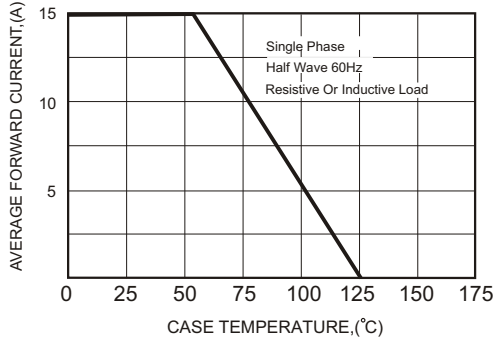


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

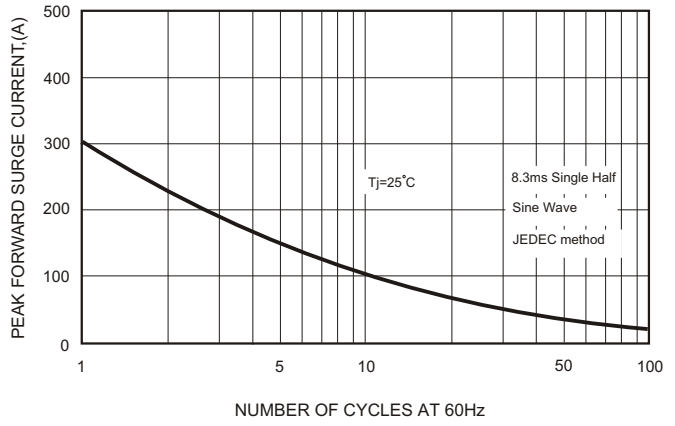


FIG.3-TYPICAL FORWARD CHARACTERISTICS

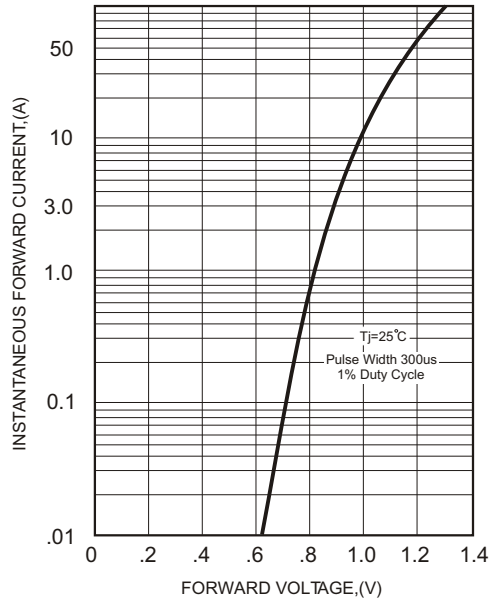


FIG.4-TYPICAL REVERSE CHARACTERISTICS

