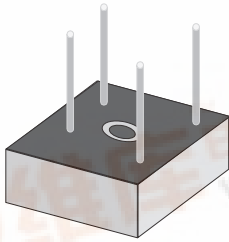


MB1505W THRU MB1510W

SINGLE PHASE 15 AMP BRIDGE RECTIFIERS



FEATURES

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

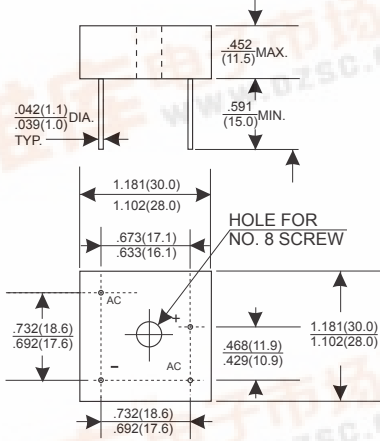
VOLTAGE RANGE

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 7.5AD.C.	1.1							V
Maximum DC Reverse Current Ta=25°C	10							µA
at Rated DC Blocking Voltage Ta=100°C	500							µA
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

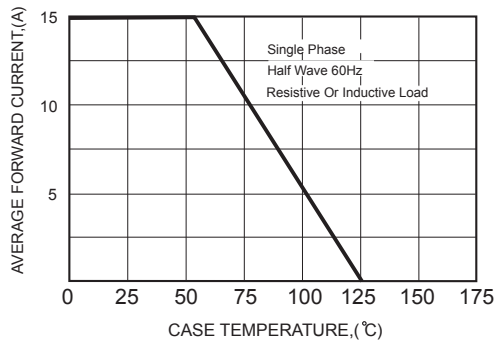


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

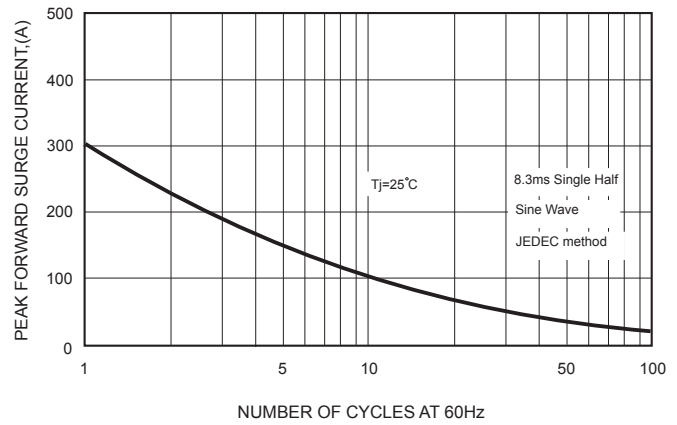


FIG.3-TYPICAL FORWARD CHARACTERISTICS

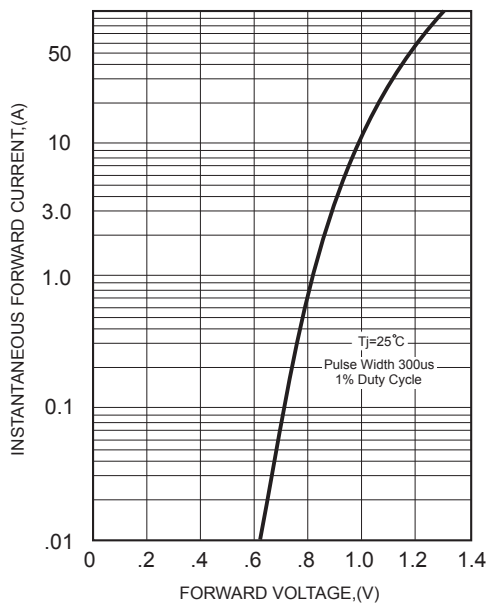


FIG.4-TYPICAL REVERSE CHARACTERISTICS

