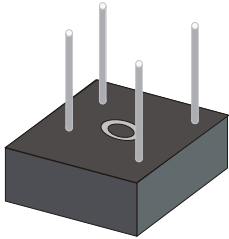


MP1505W THRU MP1510W



SINGLE PHASE 15 AMP BRIDGE RECTIFIERS



FEATURES

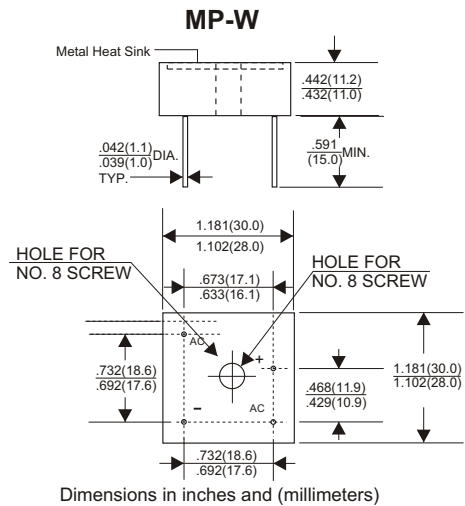
- * Superior thermal design
- * 300 amperes surge capability
- * Mounting: Hole thru for #8 screw
- * Case: Epoxy case with Heat Sink internally Mounted in the Bridge encapsulation

VOLTAGE RANGE

50 to 1000 Volts

CURRENT

15.0 Amperes



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	MP1505W	MP151W	MP152W	MP154W	MP156W	MP158W	MP1510W	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 at Rated DC Blocking Voltage								10	µA
								500	µA
Operating Temperature Range, Tj								-65 — +125	°C
Storage Temperature Range, Tstg								-65 — +150	°C

RATING AND CHARACTERISTIC CURVES (MP1505W THRU MP1510W)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

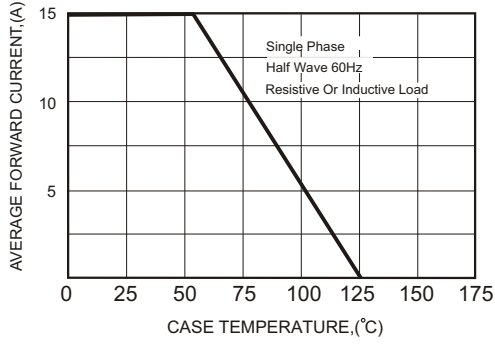


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

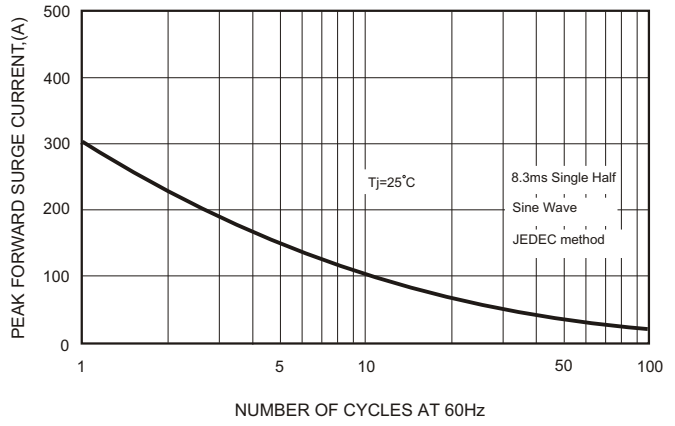


FIG.3-TYPICAL FORWARD CHARACTERISTICS

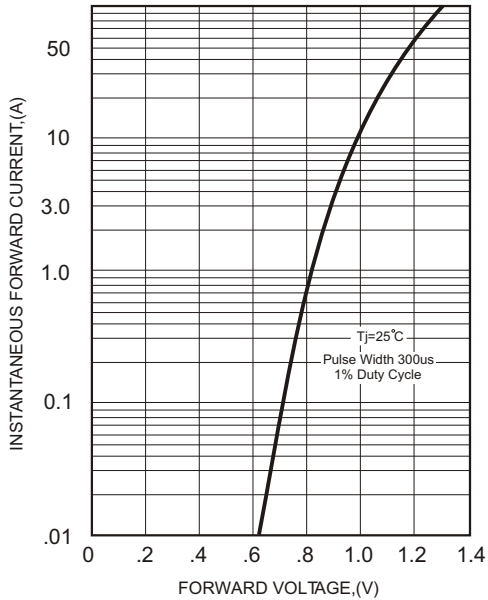


FIG.4-TYPICAL REVERSE CHARACTERISTICS

