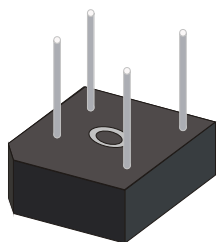


# MP1505WG THRU MP1510WG



GLASS PASSIVATED 15 AMP BRIDGE RECTIFIERS



## FEATURES

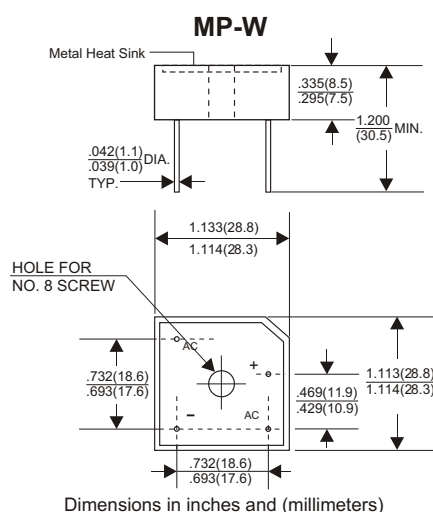
- \* Superior thermal design
- \* 300 amperes surge capability
- \* Mounting: Hole thru for #8 screw

## VOLTAGE RANGE

50 to 1000 Volts

## CURRENT

15.0 Amperes



## 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	MP1505WG	MP151WG	MP152WG	MP154WG	MP156WG	MP158WG	MP1510WG	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 T <sub>J</sub> =25°C								10	μA
at Rated DC Blocking Voltage T <sub>J</sub> =125°C								500	μA
Operating Temperature Range, T <sub>J</sub>								-55 — +150	°C
Storage Temperature Range, T <sub>stg</sub>								-55 — +150	°C

## RATING AND CHARACTERISTIC CURVES (MP1505WG THRU MP1510WG)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

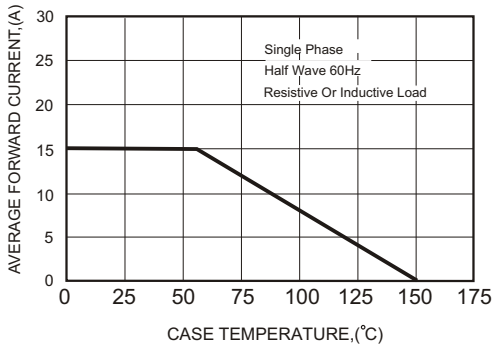


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

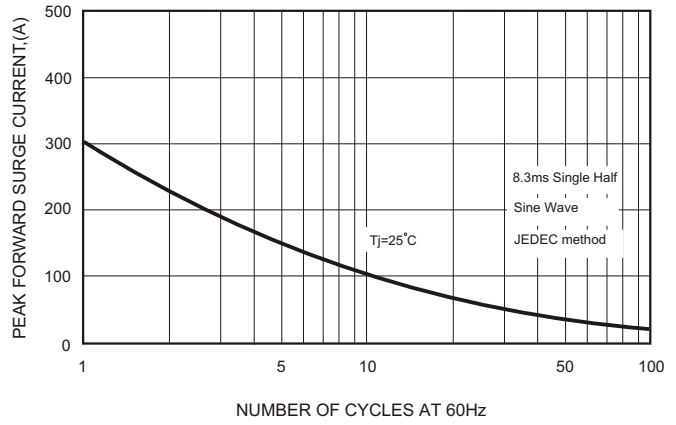


FIG.3-TYPICAL FORWARD CHARACTERISTICS

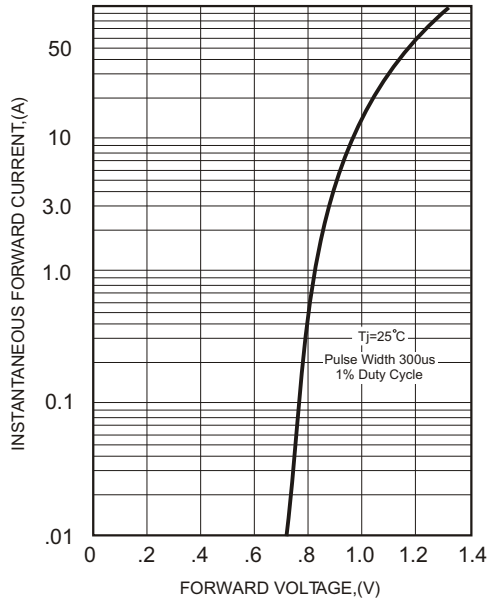


FIG.4-TYPICAL REVERSE CHARACTERISTICS

