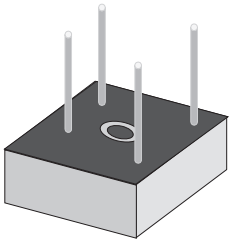
MB3505W THRU MB3510W

SINGLE PHASE 35 AMP BRIDGE RECTIFIERS



FEATURES

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

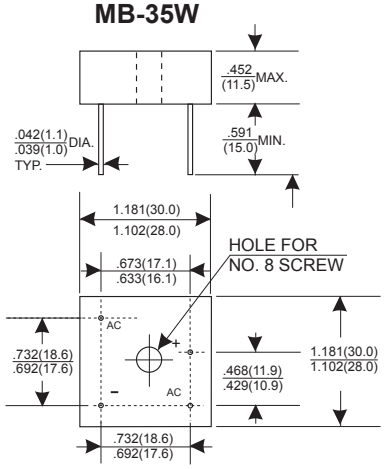
VOLTAGE RANGE

50 to 1000 Volts

CURRENT

35.0 Amperes

MB-35W



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	MB3505W	MB351W	MB352W	MB354W	MB356W	MB358W	MB3510W	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℃	35							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	400							A
Maximum Forward Voltage Drop per Bridge Element at 17.5AD.C.	1.1							V
Maximum DC Reverse Current Ta=25℃	10							μA
at Rated DC Blocking Voltage Ta=100℃	500							μA
Operating Temperature Range, T_J	-65 — +125							℃
Storage Temperature Range, T_{STG}	-65 — +150							℃

RATING AND CHARACTERISTIC CURVES (MB3505W THRU MB3510W)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

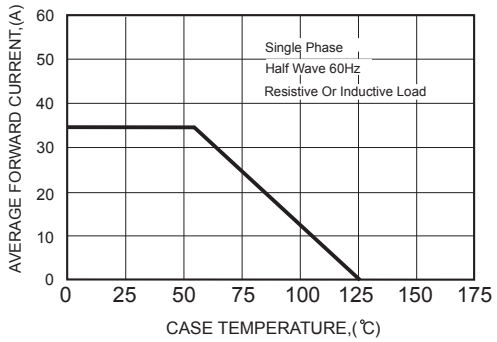


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

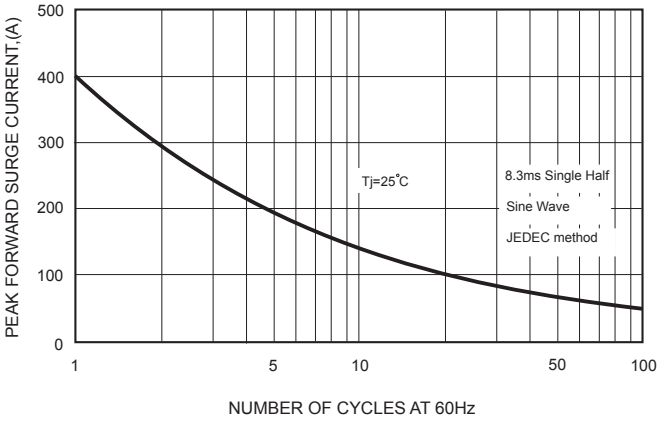


FIG.3-TYPICAL FORWARD CHARACTERISTICS

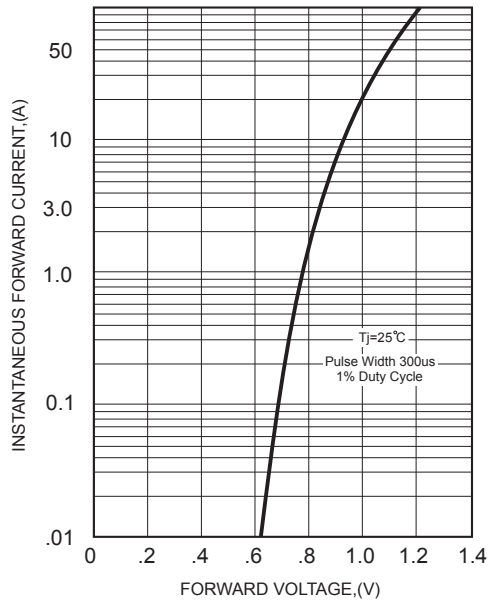


FIG.4-TYPICAL REVERSE CHARACTERISTICS

