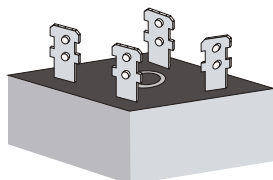


MB3505 THRU MB3510

FMS

SINGLE PHASE 35 AMP BRIDGE RECTIFIERS



FEATURES

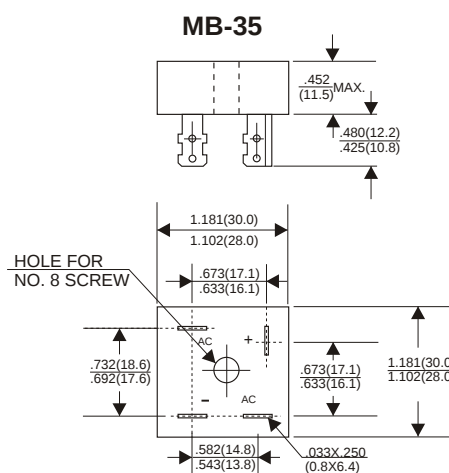
- * Superior thermal design
- * 400 amperes surge capability
- * Mounting: Hole thru for #8 screw
- * 1/4" universal faston terminal

VOLTAGE RANGE

50 to 1000 Volts

CURRENT

35.0 Amperes



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	MB3505	MB351	MB352	MB354	MB356	MB358	MB3510	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								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°C	10							mA
at Rated DC Blocking Voltage Ta=100°C	500							mA
Operating Temperature Range, Tj	-65 — +125							°C
Storage Temperature Range, Tstg	-65 — +150							°C

RATING AND CHARACTERISTIC CURVES (MB3505 THRU MB3510)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

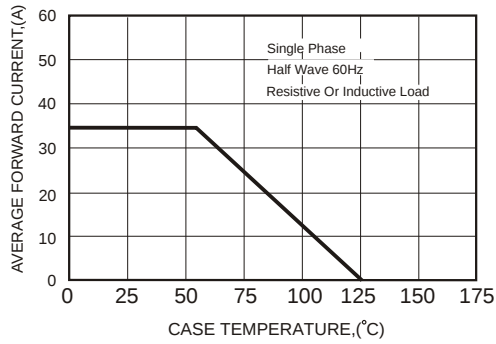


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

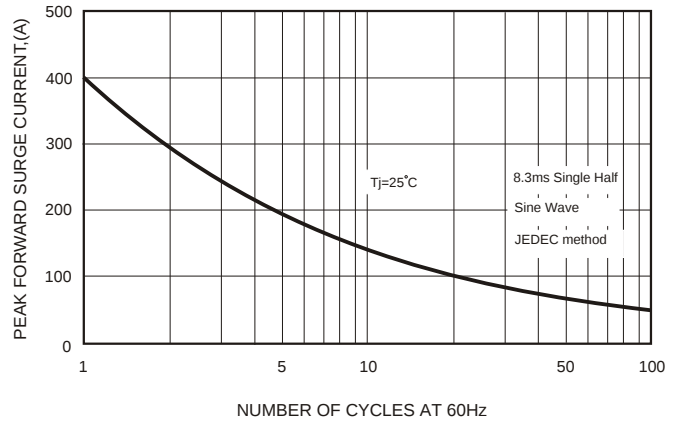


FIG.3-TYPICAL FORWARD CHARACTERISTICS

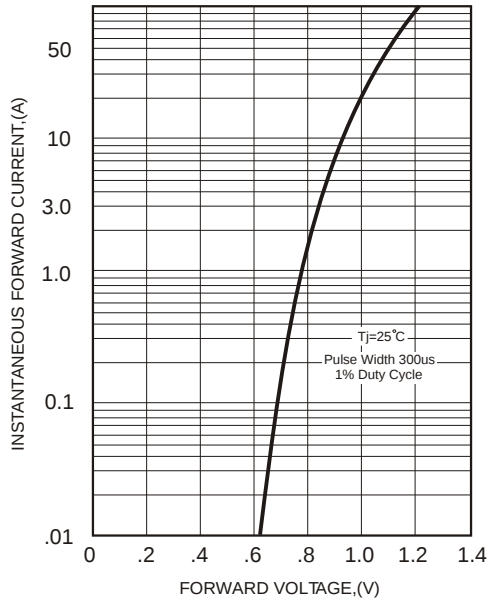


FIG.4-TYPICAL REVERSE CHARACTERISTICS

