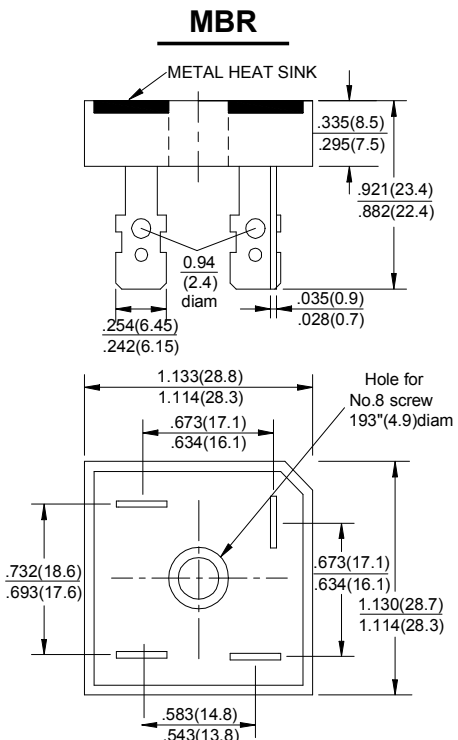


SILICON BRIDGE RECTIFIERS	REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 10/15/25/35/50 Amperes
FEATURES <ul style="list-style-type: none"> ● Surge overload -240~500 amperes peak ● Low forward voltage drop ● Mounting position: Any ● Electrically isolated base -2000 Volts ● Solderable 0.25" FASTON terminals ● Materials used carries U/L recognition 	<p style="text-align: center;">MBR</p>  <p style="text-align: center;">Dimensions in inches and (millimeters)</p>

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Resistive or inductive load 60HZ.

For capacitive load current by 20%

CHARACTERISTICS	SYMBOL	MODEL								UNIT						
		MBR 10005	MBR 1001	MBR 1002	MBR 1004	MBR 1006	MBR 1008	MBR 1010	MBR 15005		MBR 1501	MBR 1502	MBR 1504	MBR 1506	MBR 1508	MBR 1510
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000								v
Maximum RMS Bridge Input Voltage	V _{RMS}	35	70	140	280	420	560	700								v
Maximum Average Forward Rectified Output Current @T _c =55°C	I _(AV)	10	15	25	35	50										A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	240	300	400	500	500										A
Maximum Forward Voltage Drop Per Element at 5.0/7.5/12.5/17.5/25.0 Peak	V _F	1.1														v
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @T _A =25°C	I _R	10.0														µA
Operating Temperature Rang	T _J	-55 to +125														°C
Storage Temperature Rang	T _{STG}	-55 to +125														°C

RATING AND CHARACTERISTIC CURVES

MBR10/15/25/35/50A SERIES

FIG.1-MAXIMUM FORWARD SURGE CURRENT

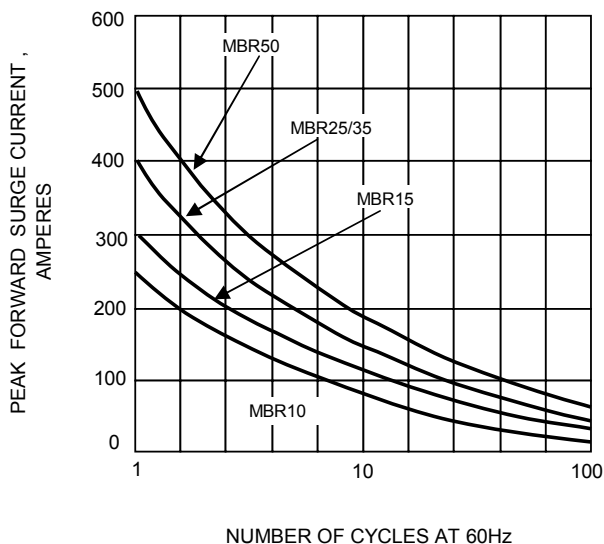


FIG.2- DERATING CURVE
OUTPUT RECTIFIED CURRENT

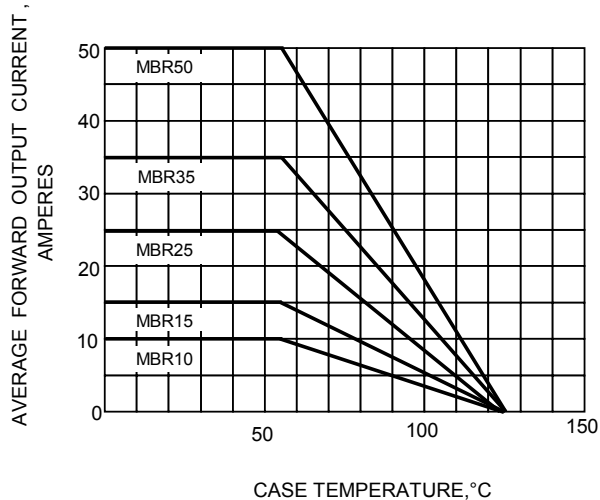


FIG.4-TYPICAL FORWARD CHARACTERISTICS

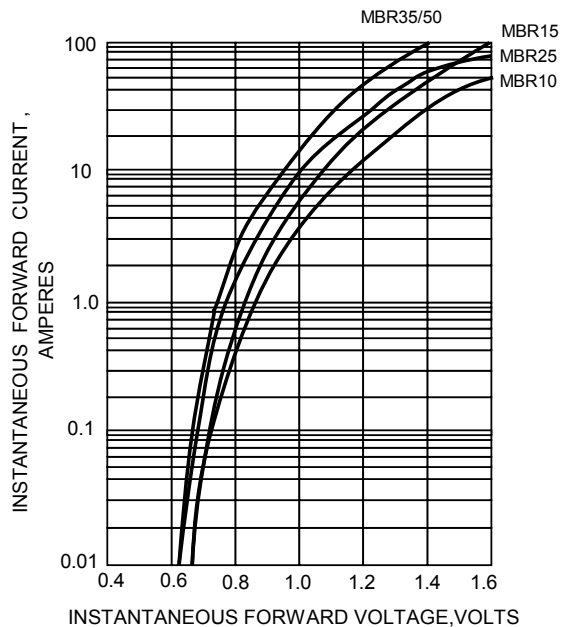


FIG.5-TYPICAL REVERSE CHARACTERISTICS

