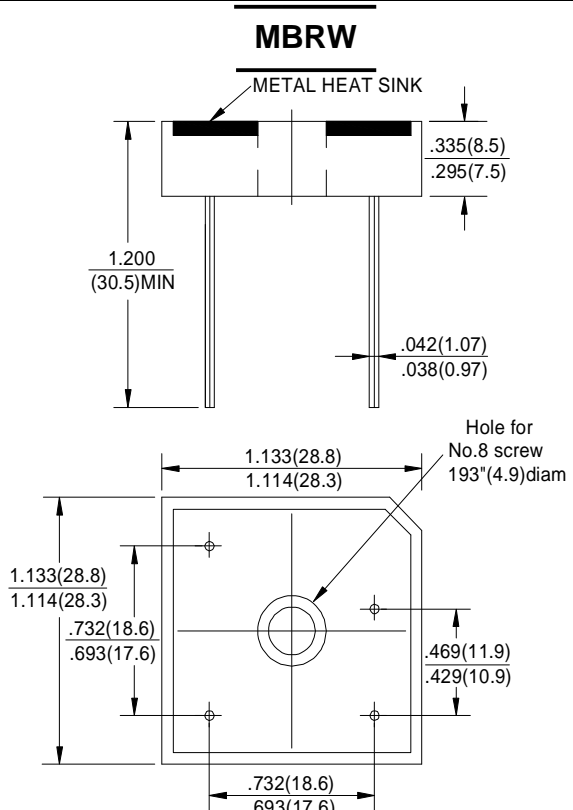


SILICON BRIDGE RECTIFIERS	REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 10/15/25/35/50 Amperes
FEATURES <ul style="list-style-type: none"> ● Surge overload -240~500 amperes peak ● Low forward voltage drop ● Mounting position: Any ● Electrically isolated base -2000 Volts ● Materials used carries U/L recognition 	 <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	MBR-W								UNIT
		10005	1001	1002	1004	1006	1008	1010		
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 at @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	400	500				A
Maximum Forward Voltage Drop Per Element at 5.0/7.5/12.5/17./25.0 Peak	V _F	1.1								V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @T _J =25°C	I _R	10.0								µA
Operating Temperature Range	T _J	-55 to +150								°C
Storage Temperature Range	T _{STG}	-55 to +150								°C

FIG.1-MAXIMUM FORWARD SURGE CURRENT

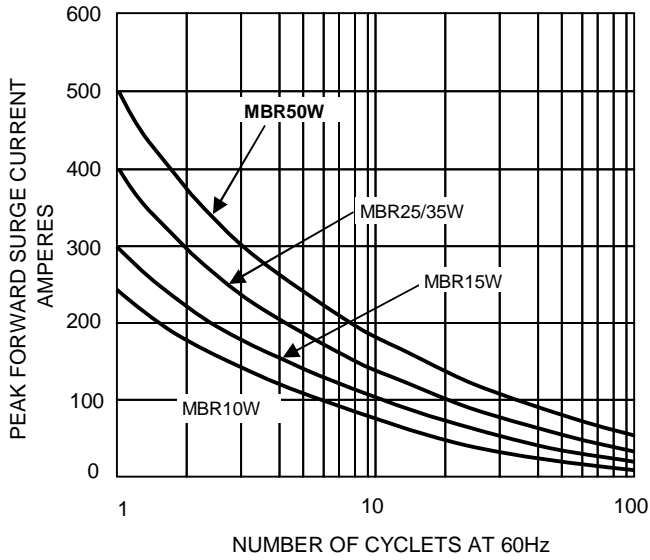


FIG. 2 – DERATING CURVE OUTPUT RECTIFIED CURRENT

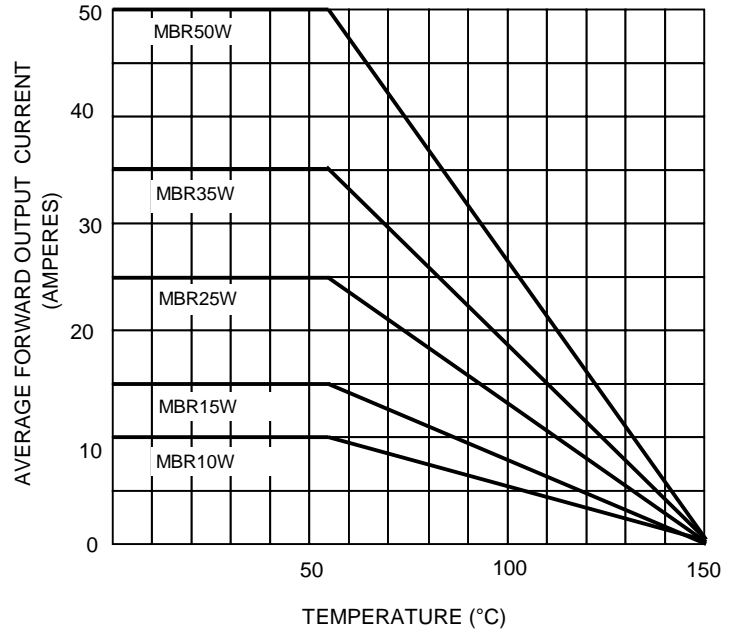


FIG.3 – TYPICAL FORWARD CHARACTERISTICS

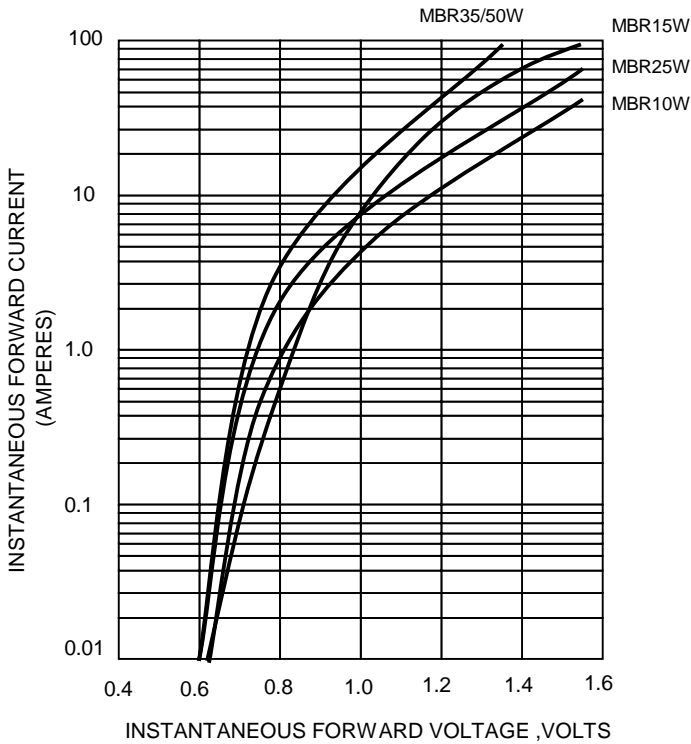


FIG.4 – TYPICAL REVERSE CHARACTERISTICS

