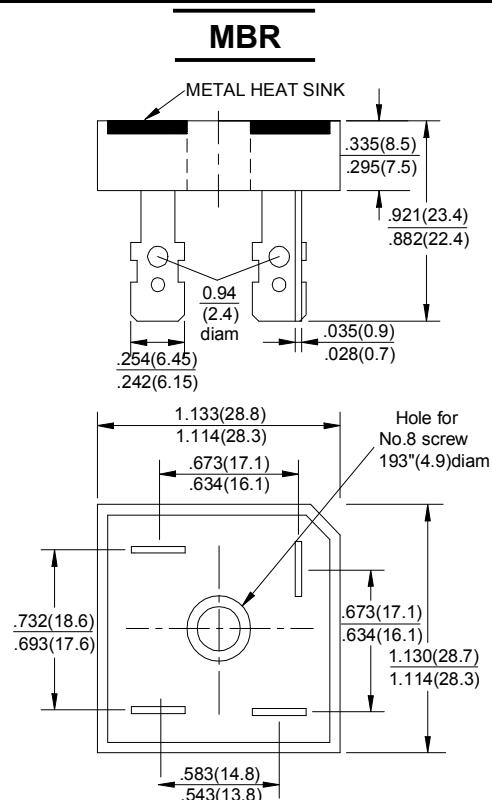


SILICON BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000Volts
FORWARD CURRENT - 10/15/25/35/50 Amperes

FEATURES

- 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



Dimensions in inches and (millimeters)

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								UNIT						
		10005		1001		1002		1004			1006		1008		1010	
		15005		1501		1502		1504			1506		1508		1510	
		25005		2501		2502		2504			2506		2508		2510	
		35005		3501		3502		3504			3506		3508		3510	
		50005		5001		5002		5004			5006		5008		5010	
Maximum Recurrent Peak Reverse Voltage	VRRM	50		100		200		400		600		800		1000		V
Maximum RMS Bridge Input Voltage	VRMS	35		70		140		280		420		560		700		V
Maximum Average Forward Rectified Output Current @Tc=55°C	I(AV)	MBR 10	10	MBR 15	15	MBR 25	25	MBR 35	35	MBR 50	50	A				
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM		240		300		400		400		500	A				
Maximum Forward Voltage Drop Per Element at 5.0/7.5/12.5/17.5/25.0 Peak	VF	1.1														V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @TA=25°C	IR	10.0														µA
Operating Temperature Rang	TJ	-55 to +125														°C
Storage Temperature Rang	TSTG	-55 to +125														°C

RATING AND CHARACTERISTIC CURVES
MBR10/15/25/35/50A SERIES

FIG.1-MAXIMUM FORWARD SURGE CURRENT

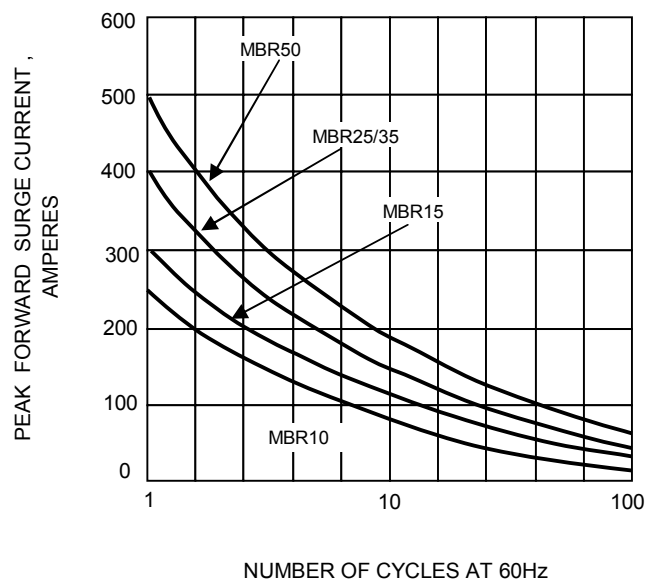


FIG.2- DERATING CURVE
OUTPUT RECTIFIED CURRENT

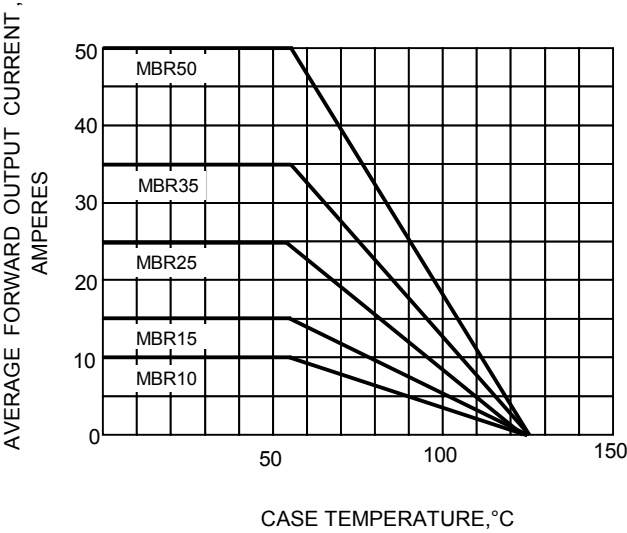


FIG.4-TYPICAL FORWARD CHARACTERISTICS

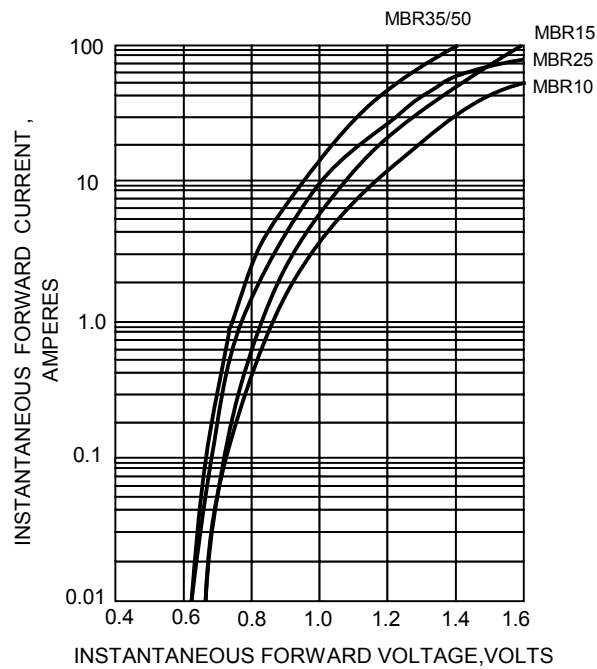


FIG.5-TYPICAL REVERSE CHARACTERISTICS

