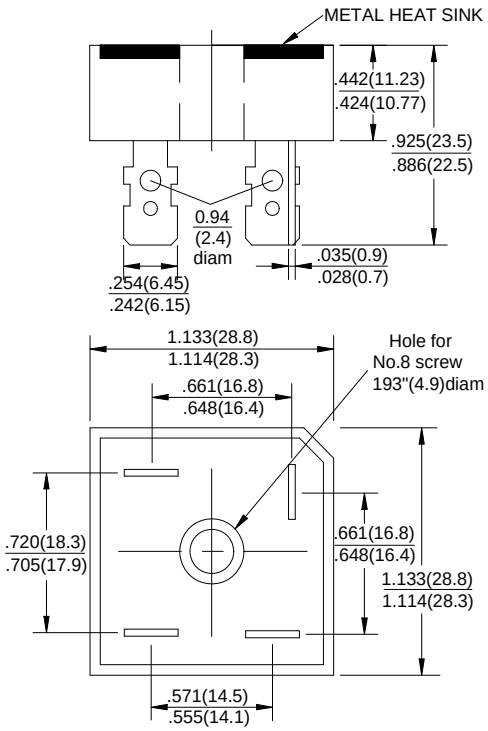
BR 10A/15A/25A/35A/50A



Dimensions in inches and (millimeters)

SILICON BRIDGE RECTIFIERS

REVERSE VOLTAGE - **50** to **1000**Volts

FORWARD CURRENT - **10/15/25/35/50**Amperes

FEATURES

- Surge overload -240~500amperes peak
- Low forward voltage drop
- Mounting position: Any
- Electrically isolated base -2000 Volts
- Solderable 0.25" FASTON terminals
- Materials used carries U/L recognition
- Weight: 0.67ounces ,19.03grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.

Resistive or inductive load 60Hz.

For capacitive load current by 20%

CHARACTERISTICS	SYMBOL	BR 10005	BR 1001	BR 1002	BR 1004	BR 1006	BR 1008	BR 1010	UNIT
		BR 15005	BR 1501	BR 1502	BR 1504	BR 1506	BR 1508	BR 1510	
		BR 25005	BR 2501	BR 2502	BR 2504	BR 2506	BR 2508	BR 2510	
		BR 35005	BR 3501	BR 3502	BR 3504	BR 3506	BR 3508	BR 3510	
		BR 50005	BR 5001	BR 5002	BR 5004	BR 5006	BR 5008	BR 5010	
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 @Tc=55 ℃	$I_{(AV)}$	BR 10	10	BR 15	15	BR 25	25	BR 35	35	BR 50	50	A
Peak Forward Surage 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 5.0/7.5/12.5/17.5/25.0A Peak	V_F	1.1										V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @T_A=25℃	I_R	10.0										uA
Operating Temperature Rang	T_J	-55 to +125										℃
Storage Temperature Rang	T_{STG}	-55 to +125										℃

BR 10A/15A/25A/35A/50A

SILICON BRIDGE RECTIFIERS
RATING AND CHARACTERTIC CURVES

FIG.1-MAXIMUM FORWARD SURGE CURRENT

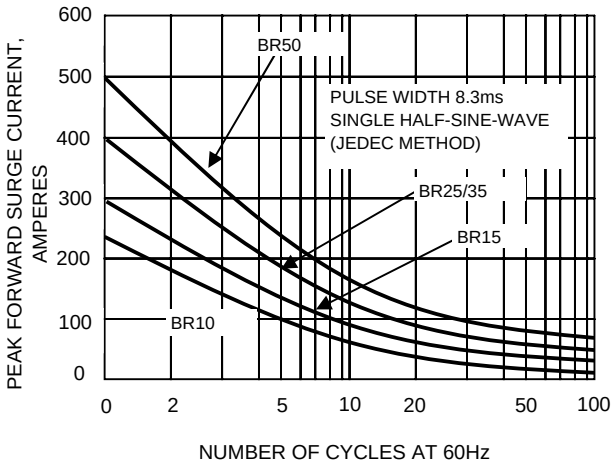


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

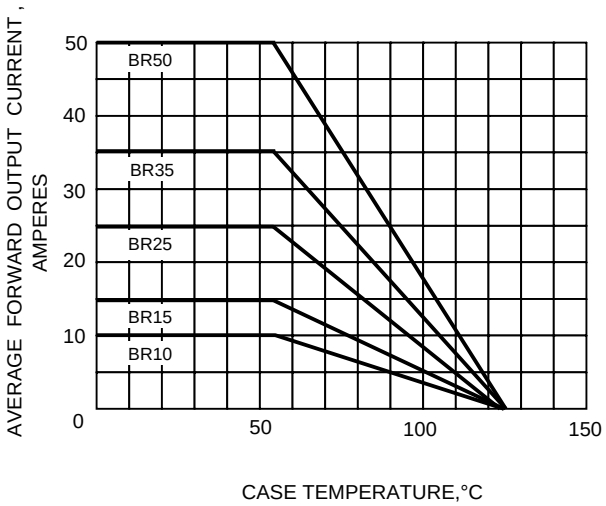


FIG.3-TYPICAL FORWARD CHARACTERISTICS

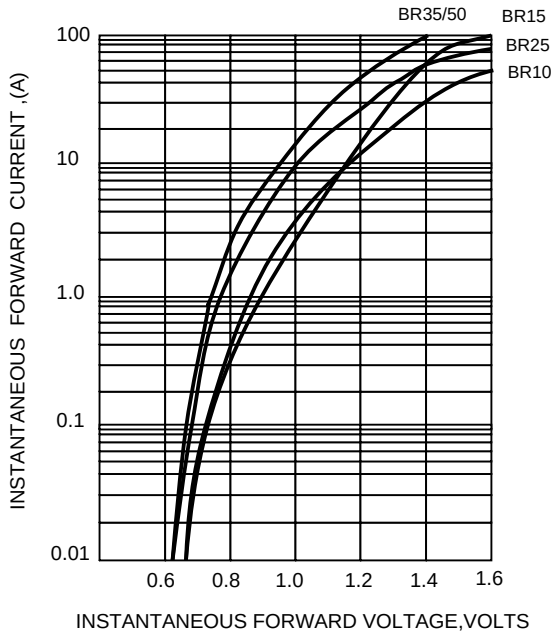


FIG.4-TYPICAL REVERSE CHARACTERISTICS