

<b>SILICON BRIDGE RECTIFIERS</b>	<p>REVERSE VOLTAGE - <b>50 to 1000</b>Volts</p> <p>FORWARD CURRENT - <b>10/15/25/35/50</b> Amperes</p>
<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● Surge overload -240~500amperes peak</li> <li>● Low forward voltage drop</li> <li>● Mounting position: Any</li> <li>● Electrically isolated base -2000 Volts</li> <li>● Solderable 0.25" FASTON terminals</li> <li>● Materials used carries U/L recognition</li> </ul>	<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	BR								UNIT		
		BR	BR	BR	BR	BR	BR	BR	BR			
		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				
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	v			
Maximum RMS Bridge Input Voltage	VRMS	30	70	140	280	420	560	700	v			
Maximum Average Forward Rectified Output Current @Tc=55°C	I(AV)	BR 10	10	BR 15	15	BR 25	25	BR 35	35	BR 50	50	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	BR 10	240	BR 15	300	BR 25	400	BR 35	400	BR 50	500	A
Maximum Forward Voltage Drop Per Element at 5.0/7.5/12.5/17.5/25.0A Peak	VF	1.1								V		
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @TA=25°C	IR	10.0								uA		
Operating Temperature Rang	TJ	-55 to +125								°C		
Storage Temperature Rang	TSTG	-55 to +125								°C		

**RATING AND CHARACTERISTIC CURVES  
BR10/15/25/35/50A SERIES**



FIG.1-MAXIMUM FORWARD SURGE CURRENT

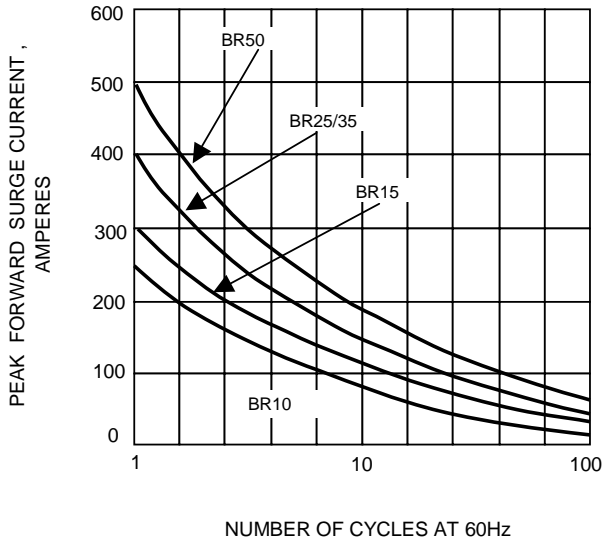


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

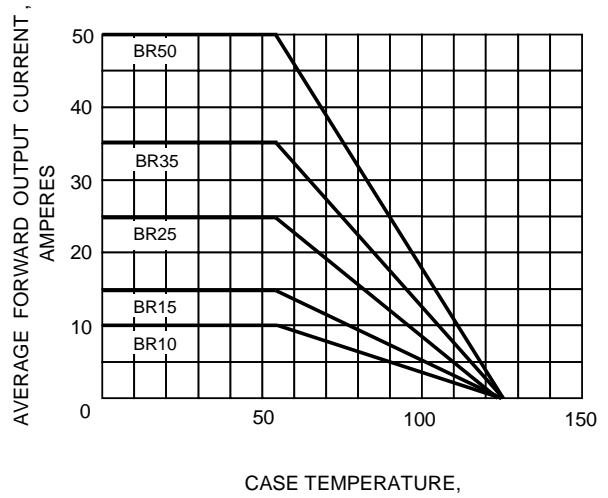


FIG.3-TYPICAL FORWARD CHARACTERISTICS

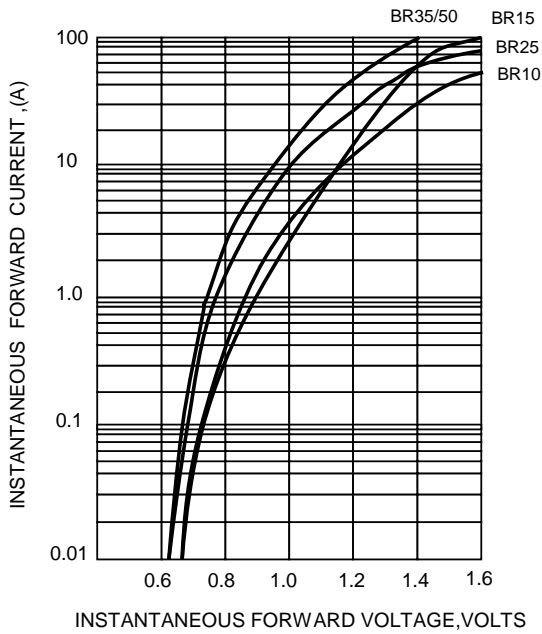


FIG.4-TYPICAL REVERSE CHARACTERISTICS

