

SILICON BRIDGE RECTIFIERS	<p>REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 3.0 Amperes</p> <div style="text-align: center;"> </div> <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.

Single phase, half wave ,60Hz, resistive or inductive load.

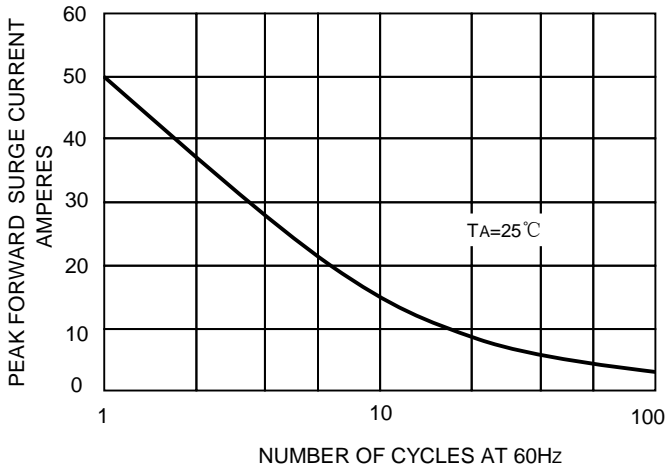
For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	BR3005	BR301	BR302	BR304	BR306	BR308	BR310	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V _{RMS}	30	70	140	280	420	560	700	V
Maximum Average Forward Rectified Output Current at	I <sub(av)< sub=""></sub(av)<>	3.0							A
T _C =50°C (Note1)		2.0							
T _C =100°C (Note1)		2.0							
T _A =50°C (Note2)		2.0							
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	50							A
Maximum Forward Voltage Drop Per Bridge Element at 1.5A Peak	V _F	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element	I _R	10.0							uA
T _A =25°C		1.0							mA
T _A =100°C		1.0							
Operating Temperature Range	T _J	-55 to +125							°C
Storage Temperature Range	T _{STG}	-55 to +125							°C

Notes:1. Unit mounted on metal chassis

2. Unit mounted on P.C. board

FIG.1-MAXIMUM FORWARD SURGE CURRENT



**FIG.2-DERATING CURVE
 OUTPUT RECTIFIED CURRENT**

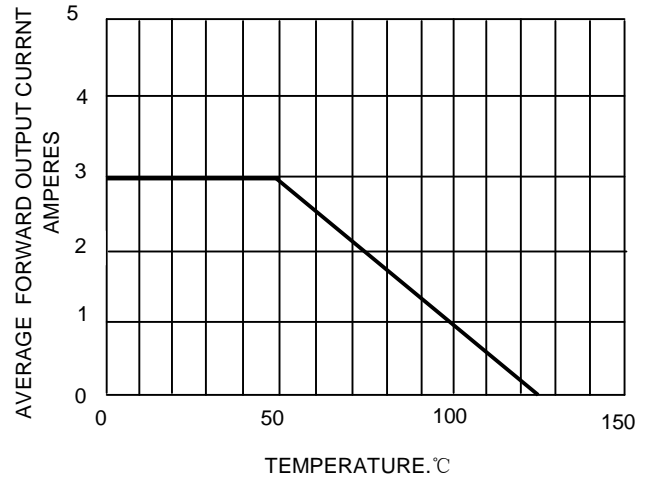


FIG.3-TYPICAL FORWARD CHARACTERISTICS

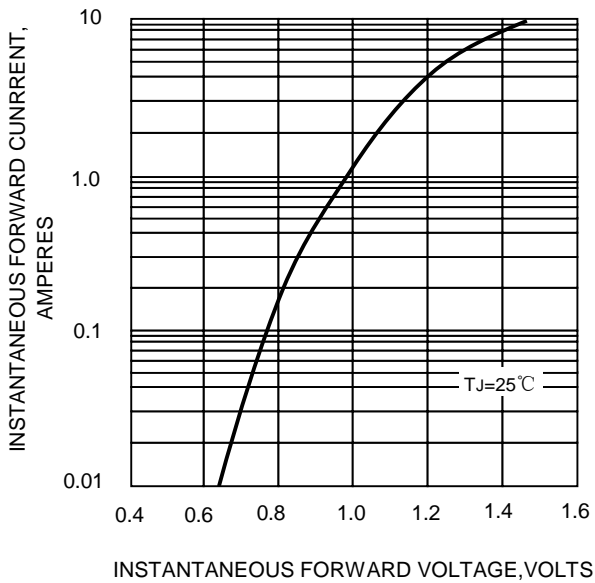


FIG.4-TYPICAL REVERSE CHARACTERISTICS

