

SILICON BRIDGE RECTIFIERS	REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 6.0 Amperes
FEATURES <ul style="list-style-type: none"> ● Surge overload rating - 150 amperes peak ● Low forward voltage drop ● Small size; simple installation ● Silver plated copper leads ● Mounting position: Any 	<p>Polarity shown on side of case, Positive lead by beveled corner. 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	BR605	BR61	BR62	BR64	BR66	BR68	BR610	UNIT
		KBPC 6005	KBPC 601	KBPC 602	KBPC 604	KBPC 606	KBPC 608	KBPC 610	
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 T _c =100°C (Note1)	I _(AV)	6.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	150							A
Maximum Forward Voltage Drop Per Bridge Element at 3.0A Peak	V _F	1.0							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element	I _R	10.0							uA
Operating Temperature Range	T _J	-40to+125							°C
Storage Temperature Range	T _{STG}	-40to+125							°C

Notes: 1. Unit mounted on metal chassis

2. Unit mounted on P.C. board

RATING AND CHARACTERISTIC CURVES

FIG.1-DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

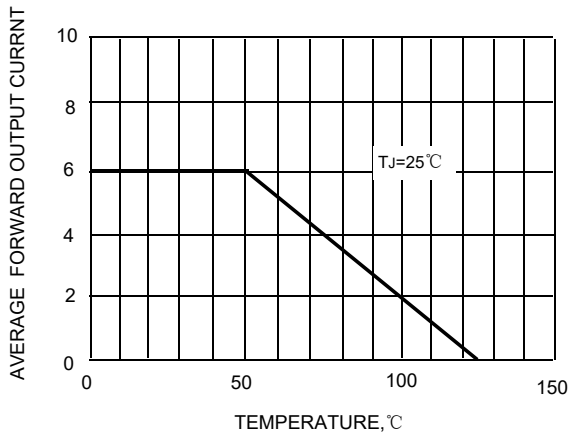


FIG.2-TYPICAL REVERSE

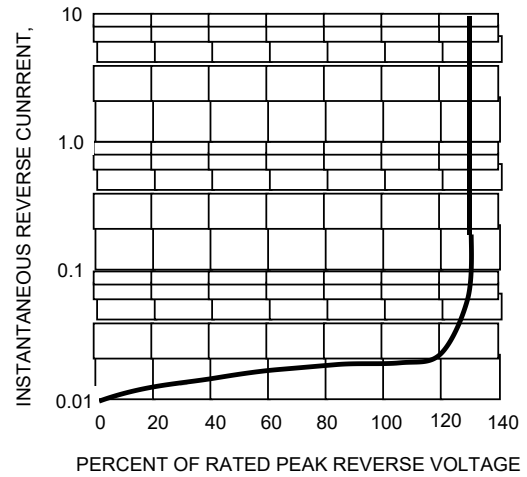


FIG.3-MAXIMUM FORWARD SURGE CURRENT

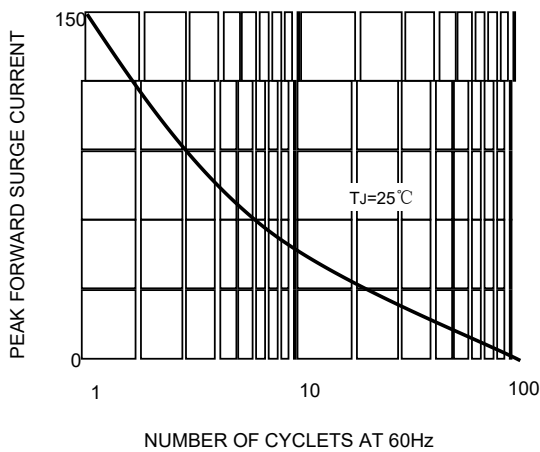


FIG.4-TYPICAL INSTANTANEOUS

