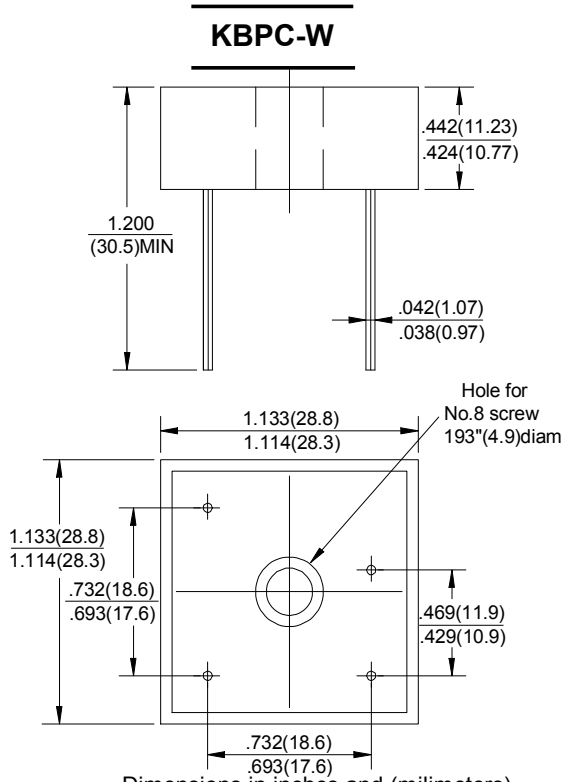


<p>SILICON BRIDGE RECTIFIERS</p> <p>FEATURES</p> <ul style="list-style-type: none"> ● Surge overload -240~500 Amperes peak ● Low forward voltage drop ● Mounting Position : Any ● Electrically isolated base -2000 Volts ● Solderable 0.25" FASTON terminals ● Materials used carries U/L recognition 	<p style="text-align: center;">REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 10/15/25/35/50 Amperes</p> <div style="text-align: center;"> <p>KBPC-W</p>  <p style="text-align: center;">Dimensions in inches and (millimeters)</p> </div>
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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	KBPC-W								UNIT		
		10005	1001	1002	1004	1006	1008	1010				
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	IAV	10		15		25		35		50	A	
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	KBPC 10W	240	KBPC 15W	300	KBPC 25W	400	KBPC 35W	400	KBPC 50W	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 Rate DC Blocking Voltage Per Element @TA=25°C	IR	10								µA		
Operating Temperature Range	TJ	-55 to +125								°C		
Storage Temperature Range	TSTG	-55 to +125								°C		

NOTES: Also available on KBPC 10W/15W/25W/35W/50W series.

RATING AND CHARACTERISTIC CURVES

KBPC10/15/25/35/50A W SERIES

FIG.1-MAXIMUM FORWARD SURGE CURRENT

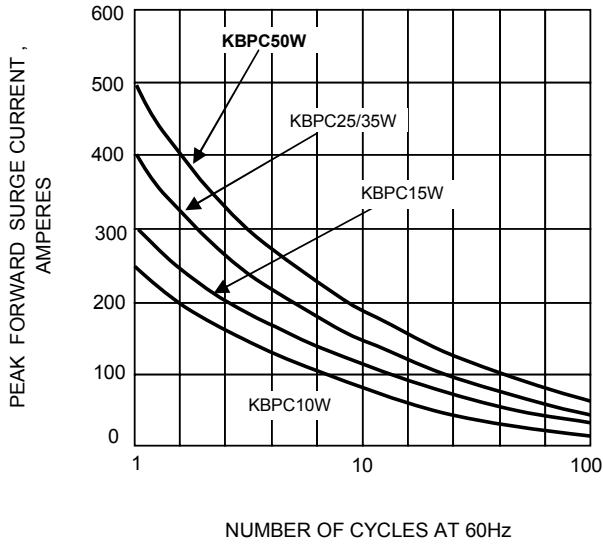


FIG.2- DERATING CURVE
OUTPUT RECTIFIED CURRENT

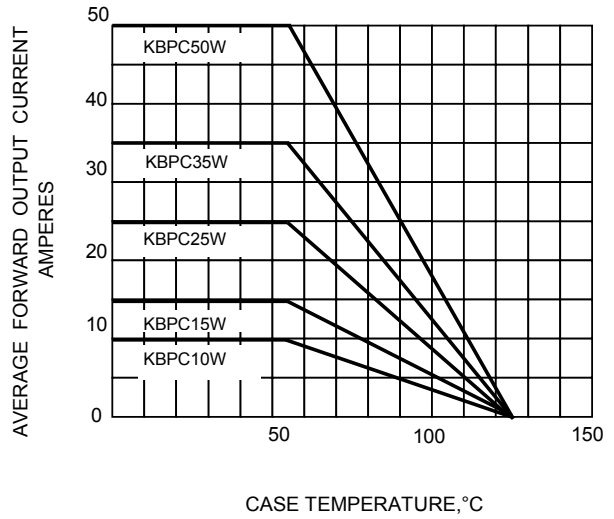


FIG.3-TYPICAL FORWARD CHARACTERISTICS

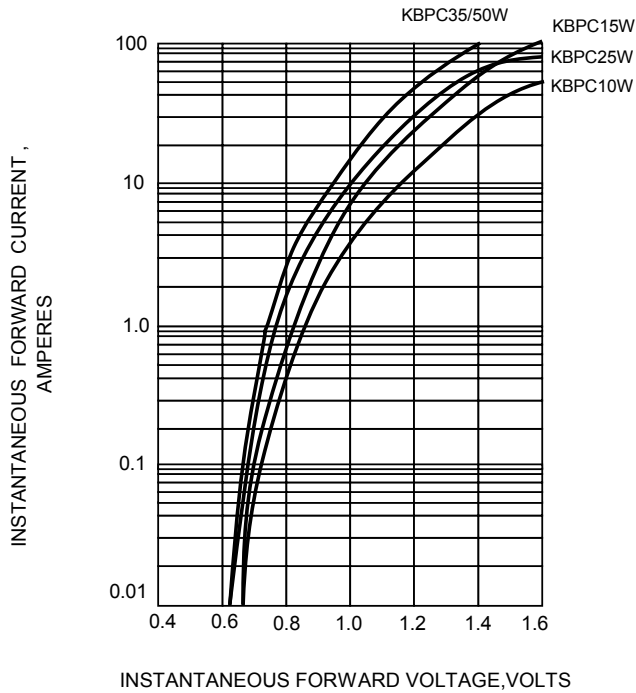


FIG.4-TYPICAL REVERSE CHARACTERISTICS

