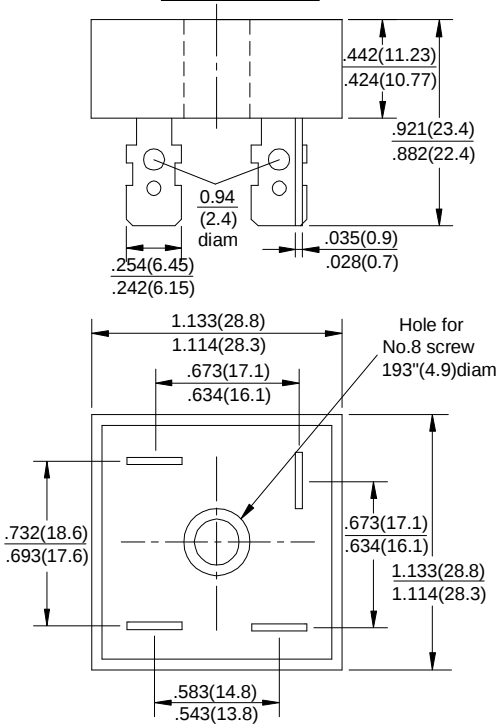




KBPC10/15/25/35/50A SERIES

SILICON BRIDGE RECTIFIERS		REVERSE VOLTAGE - 50 to 1000Volts										
		FORWARD CURRENT - 10/15/25/35/50 Amperes										
FEATURES ● Surge overload -240~500 Amperes peak ● Low forward voltage drop ● Mounting Position : Any ● Electrically isolated base -2000 Volts ● Solderable 0.25" FAST ON terminals ● Materials used carries U/L recognition		KBPC  Dimensions in inches and (milimeters)										
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	KBPC	KBPC	KBPC	KBPC	KBPC	KBPC	UNIT			
		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				
		50005	5001	5002	5004	5006	5008	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 @T _c =55°C	I _(AV)	KBPC 10	10	KBPC 15	15	KBPC 25	25	KBPC 35	35	KBPC 50	50	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	10	240	15	300	25	400	35	400	50	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 Rate DC Blocking Voltage Per Element @T _J =25°C	I _R	10										μA
Operating Temperature Range	T _J	-55 to +150										°C
Storage Temperature Range	T _{STG}	-55 to +150										°C
REV. 1. 30-Dec-2011												

REV. 1, 30-Dec-2011

RATING AND CHARACTERISTIC CURVES

KBPC10/15/25/35/50A SERIES



FIG.1-MAXIMUM FORWARD SURGE CURRENT

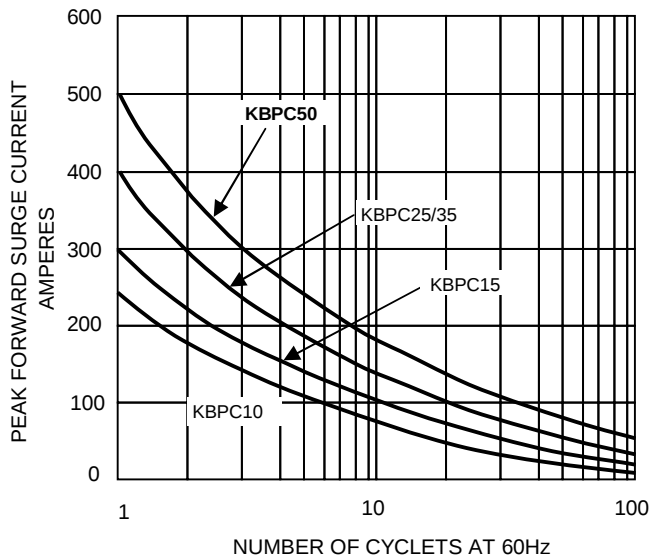


FIG.2- DERATING CURVE
OUTPUT RECTIFIED CURRENT

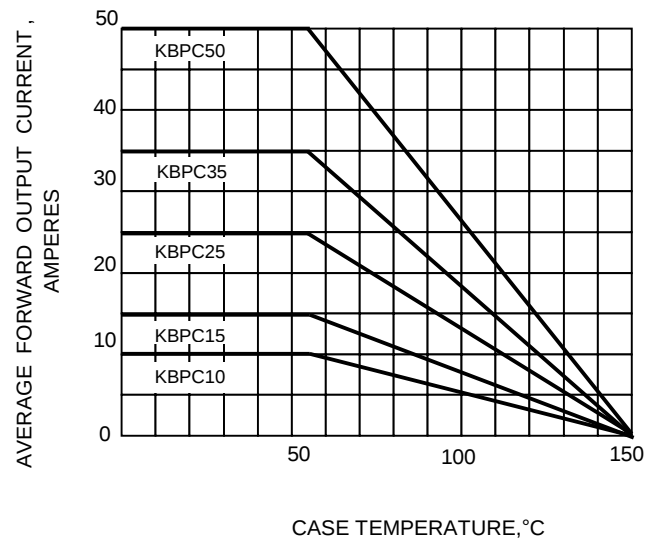


FIG.3-TYPICAL FORWARD
CHARACTERISTICS

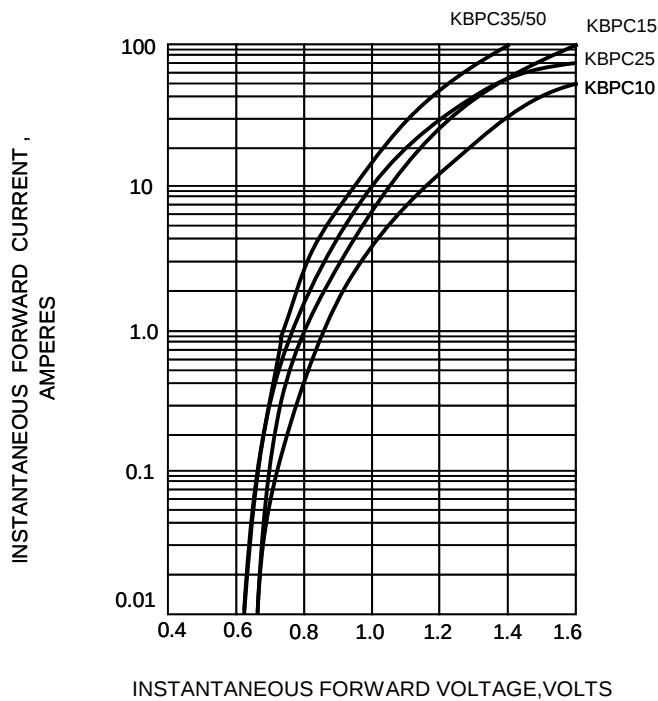


FIG.4-TYPICAL REVERSE
CHARACTERISTICS

