

KBPC10/15/25/35/50A -G SERIES

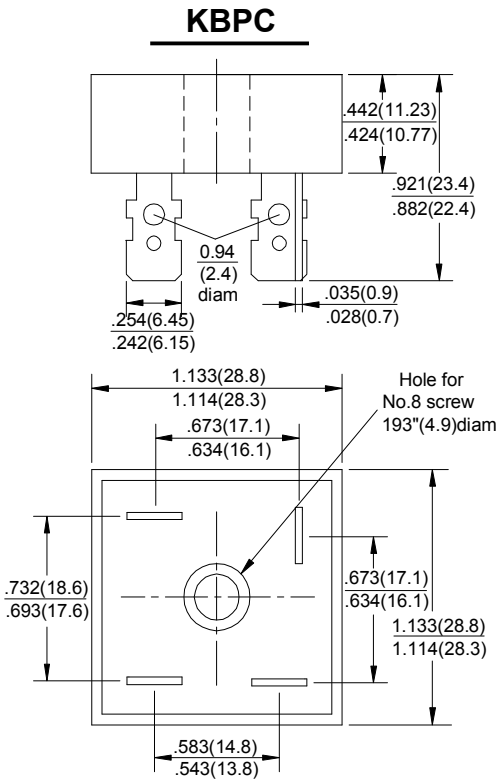
"-G" : RoHS Device

REVERSE VOLTAGE - 50 to 1000V

FORWARD CURRENT - 10/15/25/35/50A

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



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	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℃	IAV	KBPC	10	KBPC	15	KBPC	25	KBPC	35	KBPC	50	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	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	VF	1.1										V
Maximum Reverse Current at Rate DC Blocking Voltage Per Element @TJ=25℃	IR	10										μA
Operating Temperature Range	TJ	-55 to +125										℃
Storage Temperature Range	TSTG	-55 to +150										℃

RATINGS AND CHARACTERISTIC CURVES KBPC10/15/25/35/50A -G SERIES

FIG.1-MAXIMUM FORWARD SURGE CURRENT

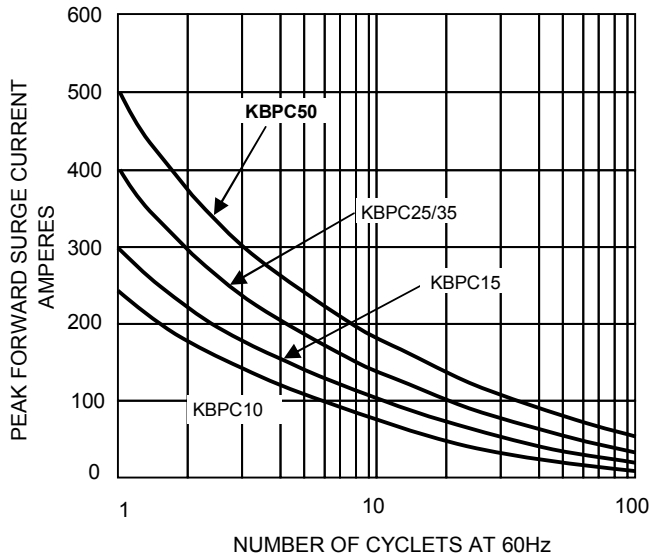


FIG.2- DERATING CURVE
OUTPUT RECTIFIED CURRENT

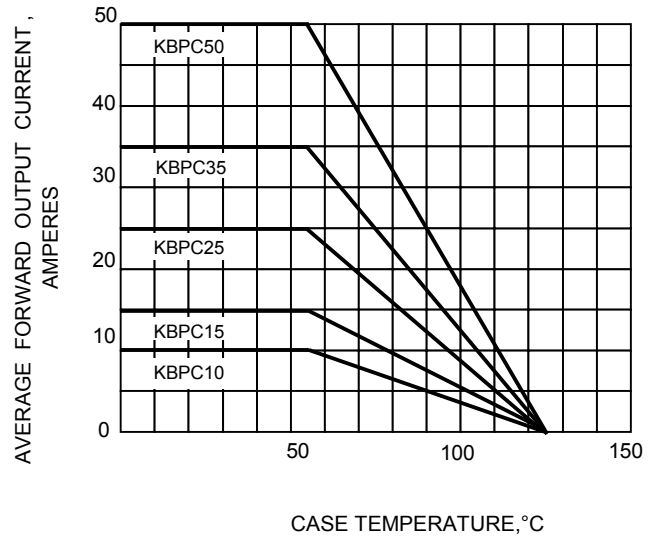


FIG.3-TYPICAL FORWARD
CHARACTERISTICS

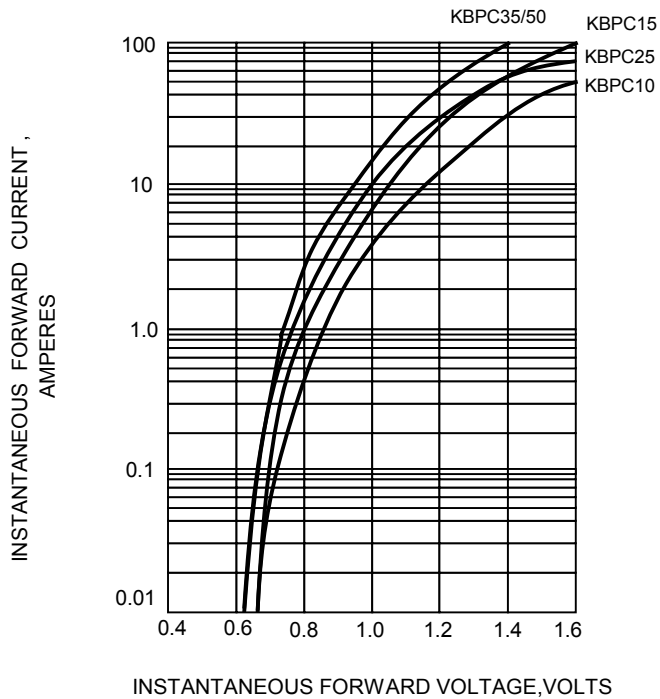


FIG.4-TYPICAL REVERSE
CHARACTERISTICS

