



SILICON BRIDGE RECTIFIERS

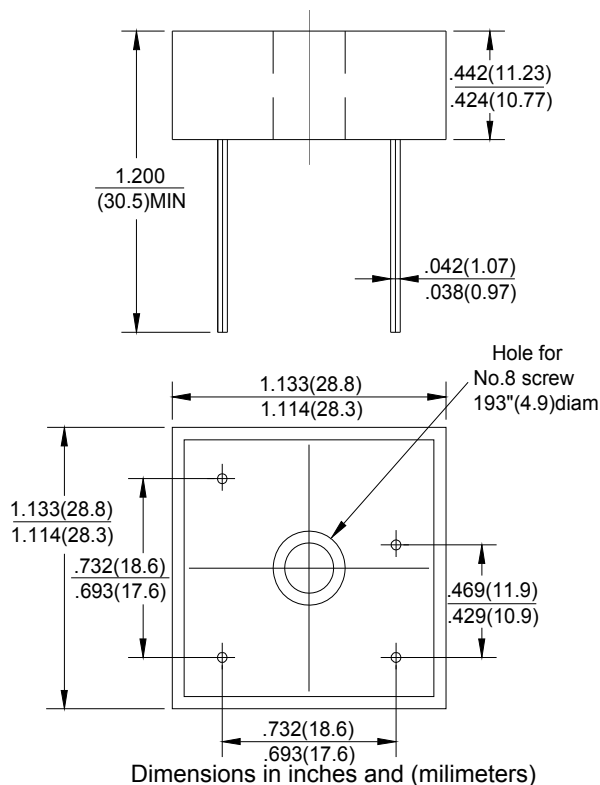
FEATURES

- Surge overload -240~500 Amperes peak
- Low forward voltage drop
- Mounting Position : Any
- Electrically isolated base -2000 Volts
- Materials used carries U/L recognition

REVERSE VOLTAGE - 50 to 1000Volts

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

KBPC-W



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
		KBPC	10	KBPC	15	KBPC	25	KBPC	35	
		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		
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 10W	10	KBPC 15W	15	KBPC 25W	25	KBPC 35W	35	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	240		300		400		400		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



FIG.1-MAXIMUM FORWARD SURGE CURRENT

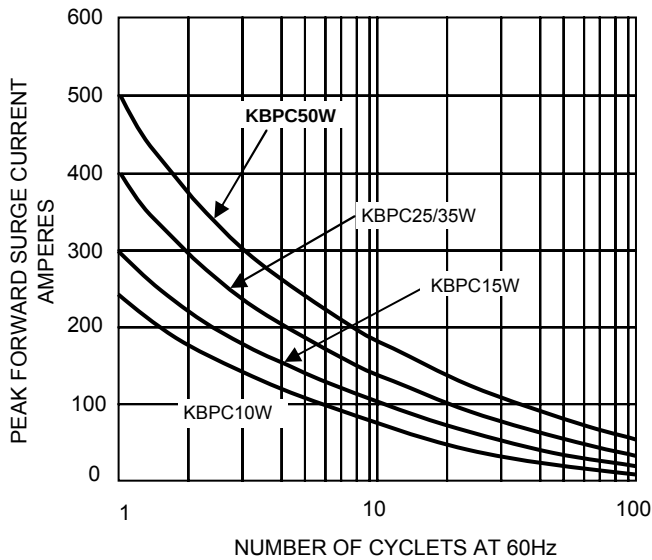


FIG.2- DERATING CURVE
OUTPUT RECTIFIED CURRENT

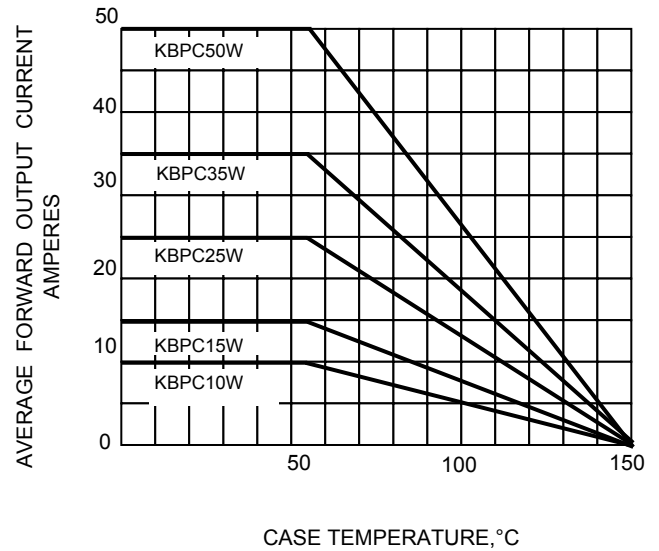


FIG.3-TYPICAL FORWARD
CHARACTERISTICS

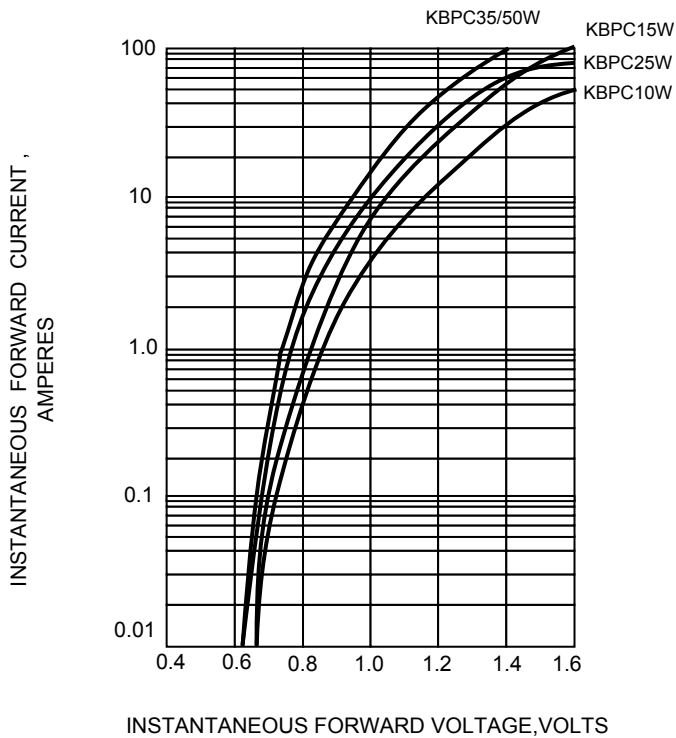
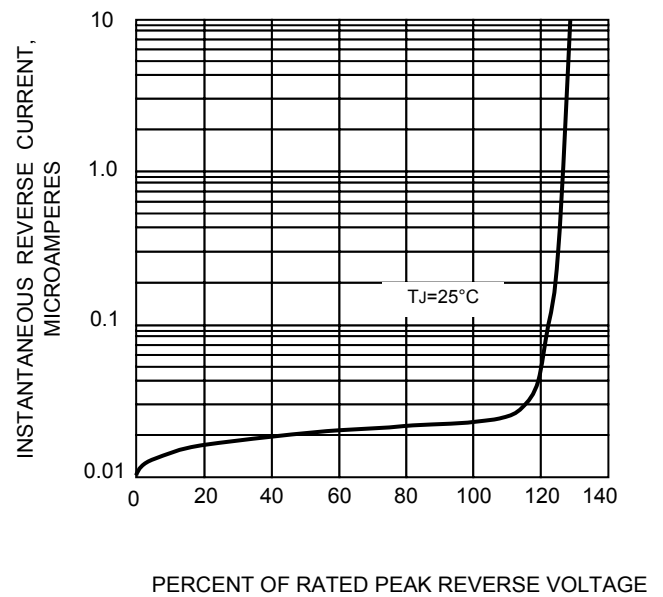


FIG.4-TYPICAL REVERSE
CHARACTERISTICS



The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!