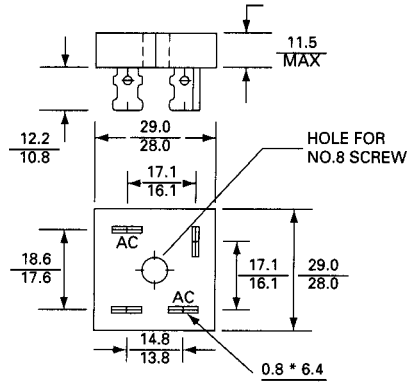
KBPC10, 15, 25, 35 ...
10A / 15A / 25A / 35A SINGLE - PHASE SILICON BRIDGE

Features

- Surge overload 200 - 400 Amperes peak
- Low forward voltage drop
- Mounting Position: Any
- Electrically isolated base-180 Volts
- Solderable .25" FASTON terminals
- Materials used carries U/L recognition

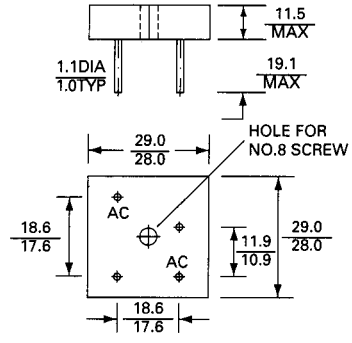
TERMINALS / METAL

LEAD / METAL



TERMINALS / PLASTIC

LEAD / PLASTIC



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%.

	KBPC10005	KBPC1001	KBPC1002	KBPC1004	KBPC1006	KBPC1008	KBPC1010	
	KBPC15005	KBPC1501	KBPC1502	KBPC1504	KBPC1506	KBPC1508	KBPC1510	
	KBPC25005	KBPC2501	KBPC2502	KBPC2504	KBPC2506	KBPC2508	KBPC2510	
Characteristic	KBPC35005	KBPC3501	KBPC3502	KBPC3504	KBPC3506	KBPC3508	KBPC3510	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Max RMS Bridge Input Voltage	35	70	140	280	420	560	700	V
Maximum Average Forward Rectified Output Current at T_A = 55 °C	KBPC10	10	KBPC15	15	KBPC25	25	KBPC35	35	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load		200		300		300		400	A
Maximum Forward Voltage Drop per element At 5.0/7.5/12.5/17.5A Peak	1.2								V
Maximum Reverse Current at Rated DC Blocking Voltage per element T_A = 25 °C	1.0								µA
Operating Temperature Range T_C	-55 to + 125								°C
Storage Temperature Range T_A	-55 to + 150								°C

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

KBPC10, 15, 25, 35 ...
10A / 15A / 25A / 35A SINGLE - PHASE SILICON BRIDGE

RATING AND CHARACTERISTICS CURVES
KBPC10/15/25/35 SERIES

FIG. 1-MAXIMUM FORWARD SURGE CURRENT

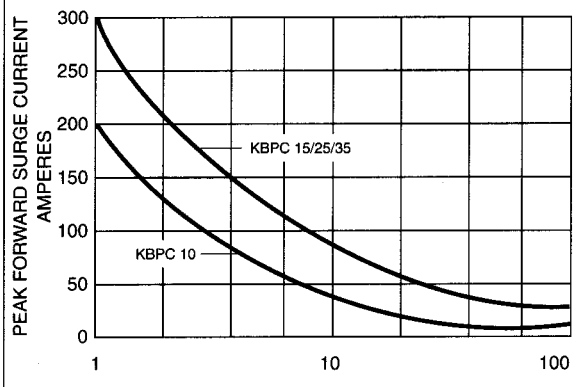


FIG. 2-DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

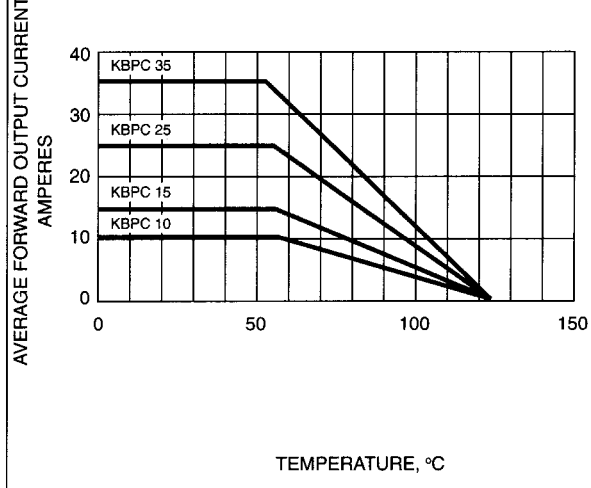


FIG. 3-TYPICAL FORWARD CHARACTERISTICS

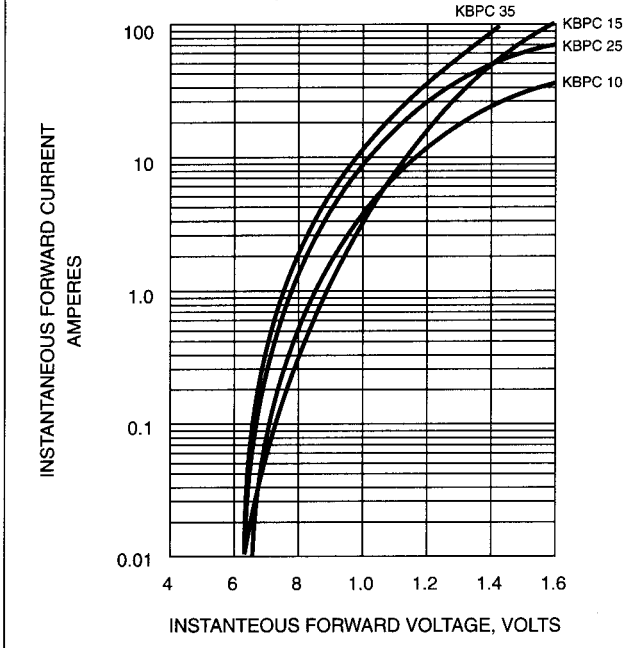


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

