

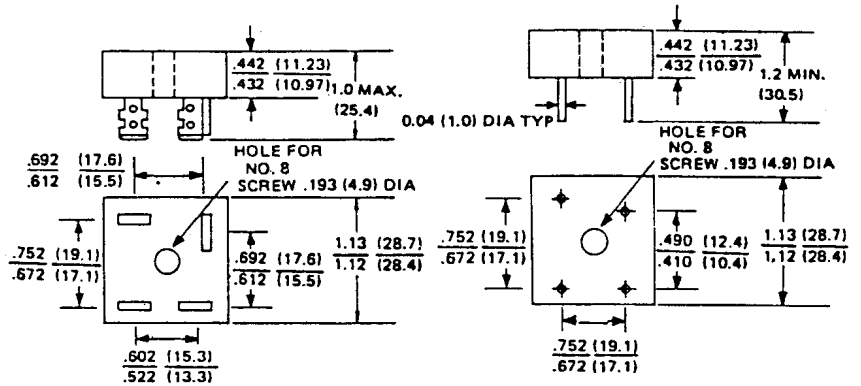
VOLTAGE RANGE
50 to 1000 Volts
CURRENT
35 Amperes

FEATURES

- Rating to 1000V PRV
- 400 amperes surge capability
- High efficiency
- Electrically isolated metal case for maximum heat dissipation
- Weight: 1.1 ounce 31.6 grams (Terminal)
0.95 ounce 28.5 grams (Wire)
- Mounting: thru hole for #8 screw

KBPC

KBPC-W



Terminal

Wire

All dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25° C ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz, resistive or inductive load,
For capacitive load, derate current by 20%.

		KBPC	KBPC	KBPC	KBPC	KBPC	KBPC	KBPC	UNIT
		35005	3501	3502	3504	3506	3508	3510	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Input Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Output Current @ T _C = 55° C	I _(AV)	35							A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave superimposed on Rated Load (JEDEC Method)	I _{FSM}	400							A
Maximum Forward Voltage per Bridge Element at 17.5A, DC	V _F	1.2							V
Maximum DC Reverse Current at Rated DC Blocking Voltage per Bridge Element @ T _A = 25° C @ T _A = 100° C	I _R	10 1							uA mA
I ² t Rating for fusing (t < 8.3ms)	I ² t	664							A ² S
Typical Thermal Resistance (Note. 2)	R _{θJA}	2.5							°C/W
Operating Temperature Range	T _J	-55 to + 125							°C
Storage Temperature Range	T _{STG}	-55 to + 150							°C

NOTE:

2. Mounted on a 11.8 in² X0.06 in thick (300mm² X1.5mm thick) Copper plate.