

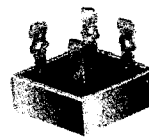
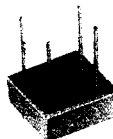


SOLID STATE INC.

46 FARRAND STREET
BLOOMFIELD, NEW JERSEY 07003

www.solidstateinc.com

KBPC35

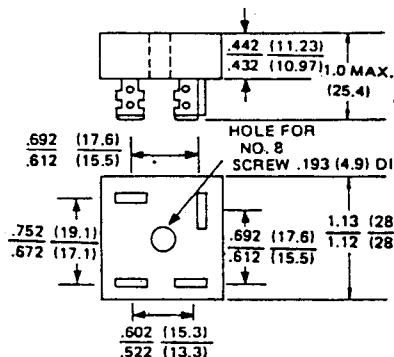


VOLTAGE RANGE
50 to 1000 Volts
CURRENT
35 Amperes

FEATURES

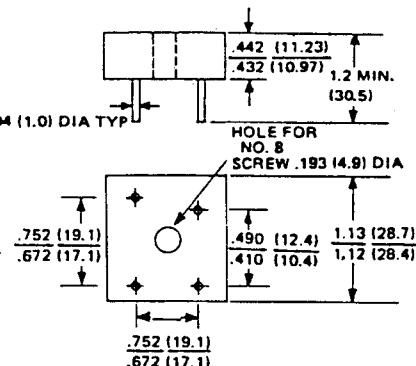
- Rating to 1000V PRV
- 400 amperes surge capability
- High efficiency
- Electrically isolated metal case for maximum heat dissipation
- Weight: 1.1 ounce 31.6 grams (Terminal)
0.95 ounce 28.5 grams (Wire)
- Mounting: thru hole for # 8 screw

KBPC



Terminal

KBPC-W



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 35005	KBPC 3501	KBPC 3502	KBPC 3504	KBPC 3506	KBPC 3508	KBPC 3510	UNIT
		KBPC 35005W	KBPC 3501W	KBPC 3502W	KBPC 3504W	KBPC 3506W	KBPC 3508W	KBPC 3510W	
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 @ $T_c = 55^\circ C$	$I_{(AV)}$	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 @ $T_A = 25^\circ C$ @ $T_A = 100^\circ C$	I_R	10 1							μA mA
$I^2 t$ Rating for fusing ($t < 8.3ms$)	$I^2 t$	664							A ² S
Typical Thermal Resistance (Note. 2)	$R_{\theta JA}$	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 X 0.06 in thick (300mm² X 1.5mm thick) Copper plate.