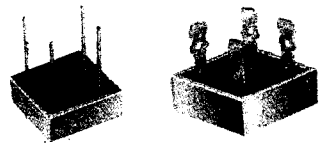
SOLID STATE INC.
46 FARRAND STREET
BLOOMFIELD, NEW JERSEY 07003 www.solidstateinc.com

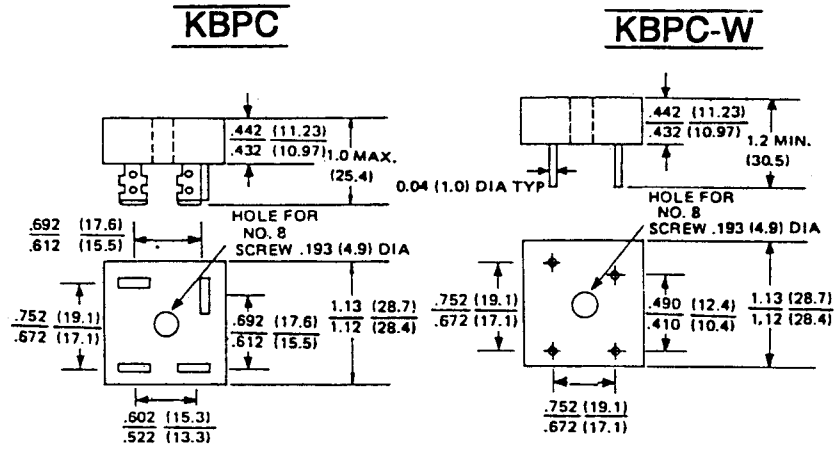
KBPC35



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



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 35005W	KBPC 3501 / KBPC 3501W	KBPC 3502 / KBPC 3502W	KBPC 3504 / KBPC 3504W	KBPC 3506 / KBPC 3506W	KBPC 3508 / KBPC 3508W	KBPC 3510 / KBPC 3510W	UNIT
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^2t Rating for fusing (t < 8.3ms)	I^2t	664							A^2S
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 X0.06 in thick (300mm² X1.5mm thick) Copper plate.