KBPC35005 THRU KBPC3510

SINGLE PHASE SILICON BRIDGE RECTIFIER VOLTAGE: 50 TO 1000V CURRENT: 35.0A



Surge overload rating: 400 A peak High case dielectric strength 1/4"Universal fast on terminal and \u04940ml lead-wire available

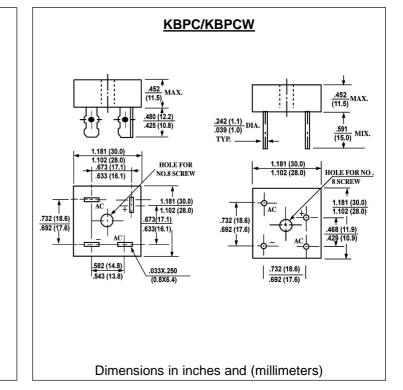
MECHANICAL DATA

Case: metal or plastic

Mounting: Hole thru #8 screw

Polarity: Polarity symbol marked on body





MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half -wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive load, derate current by 20%)

	SYMBOL	KBPC35 005	KBPC35 01	KBPC35 02	KBPC35 04	KBPC35 06	KBPC35 08	KBPC35 10	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V
Maximum DC blocking Voltage	Vdc	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at Tc=55°C	lf(av)	35.0							А
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	lfsm	400.0							A
 Maximum Instantaneous Forward Voltage at forward current 17.5A DC 	Vf	1.1							V
Maximum DC Reverse Current Ta = 25° C	Ir			10.0					μA
at rated DC blocking voltage Ta = 100° C	500.0							μA	
Operating Temperature Range	Tj	-55 to +150							°C
Storage and Operation Junction Temperature	Tstg	-55 to +150							°C

RATINGS AND CHARACTERISTIC CURVES KBPC35005 THRU KBPC3510

500 PEAK FORWARD SURGE CURRENT, (A) 400 8.3ms Single Half (JEDEC Method) 300 200 100 0 1 2 4 6 8 10 20 40 60 80 100 NUMBER OF CYCLES AT 60 Hz FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS INSTANTANEOUS FORWARD CURRENT, (A) 100 10 1.0 T_J = 25°C Pulse Width = 300 1% Duty Cycle .1 .01 .6 .7 .8 .9 1.01.1 1.2 1.3 INSTANTANEOUS FORWARD VOLTAGE, (V)

