

KBPC10, 15, 25, 35 SERIES

MECHANICAL DATA

Case: Molded plastic with heatsink integrally mounted in the bridge encapsulation

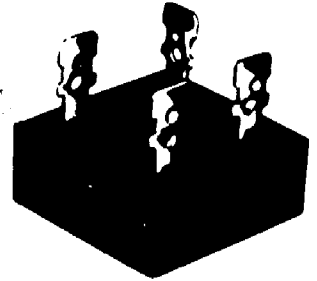
Terminals: Either plated .25" (6.35mm) Faston or plated copper leads .040" (1.02mm) diameter. Suffix letter "W" added to indicate leads.

Weight: .706 ounce, 20 grams

Mounting Position: Bolt down on heat-sink with silicone thermal compound between bridge and mounting surface for maximum heat transfer efficiency.

Mounting Torque: 20 in. lb. max.

Polarity: Polarity symbols molded on body



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

		-005	-01	-02	-04	-06	-08	-10	Units
Maximum Recurrent Peak Voltage		50	100	200	400	600	800	1000	VRRM
Maximum RMS Bridge Input Voltage		35	70	140	280	420	560	700	VRMS
Maximum DC Blocking Voltage		50	100	200	400	600	800	1000	VDC
Maximum Average Forward Rectified Output Current at Tc = 55° C	KBPC10 KBPC15 KBPC25 KBPC35				10.0 15.0 25.0 35.0				A(AV)
Peak Forward Surge Current Single Sine-Wave superimposed on rated load (JEDEC Method)	KBPC10 KBPC15 KBPC25 KBPC35				200 300 300 400				APK
Rating (non-repetitive, for t greater than 1 ms and less than 8.3 ms)	KBPC10 KBPC15 KBPC25 KBPC35				160 375 375 660				A²s
Maximum Instantaneous Forward voltage per Bridge Element at Specified Current	KBPC10 KBPC15 KBPC25 KBPC35	} IF {			5A 7.5A 12.5A 17.5A	1.2			VPK
Isolation Voltage from case to leads					2500				VAC
Maximum Reverse DC Current at Rated DC Blocking Voltage per element					10.0				µA
Maximum Thermal Resistance θJ-C (Note 1)					1.2				* C/W
Operating and Storage Temperature Range Tj, Tstg					-50 to +150				°C

Notes: 1 Thermal Resistance from Junction to Case for total bridge

