

KBPC1000/W - KBPC1010/W

Features

- Diffused Junction
- Low Reverse Leakage Current
- Low Power Loss, High Efficiency
- Electrically Isolated Metal Case for Maximum Heat Dissipation
- Case to Terminal Isolation Voltage 2500V
- UL Recognized File # E157705



 Case: Metal Case with Electrically Isolated Epoxy

Terminals: Plated Leads Solderable per

MIL-STD-202, Method 208

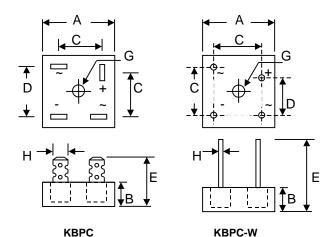
Polarity: Symbols Marked on Case

Mounting: Through Hole for #10 Screw

Weight: KBPC 31.6 grams (approx.) KBPC-W 28.5 grams (approx.)

Marking: Type Number

"W" Suffix Designates Wire Leads No Suffix Designates Faston Terminals



	КВ	PC	KBPC-W					
Dim	Min Max		Min	Max				
Α	28.40	28.70	28.40	28.70				
В	10.97	11.23	10.97	11.23				
С	15.70	16.70	17.10	19.10				
D	17.50	18.50	10.90	11.90				
E	22.86	25.40	30.50	_				
G	Hole for #10 screw, 5.08Ø Nominal							
Н	6.35 7	Typical	0.97Ø	1.07Ø				
All Dimension in mm								

Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	KBPC 1000/W	KBPC 1001/W	KBPC 1002/W	KBPC 1004/W	KBPC 1006/W	KBPC 1008/W	KBPC 1010/W	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm Vrwm Vr	50	100	200	400	600	800	1000	٧
RMS Reverse Voltage	VR(RMS)	35	70	140	280	420	560	700	V
Average Rectified Output Current @T _A = 50°C	lo	10							Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	İFSM	200							А
Forward Voltage (per element) @I _F = 5.0A	VFM	1.2						V	
Peak Reverse Current $@T_C = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_C = 125^{\circ}C$	IRM	10 1.0							μA mA
Typical Junction Capacitance (Note 1)	Cj	300							pF
Typical Thermal Resistance (Note 2)	R⊕JC	6.3						K/W	
RMS Isolation Voltage from Case to Lead	Viso	2500						V	
Operating and Storage Temperature Range	Тj, Тsтg	-65 to +150						°C	

^{*} Glass passivated forms are available upon request.

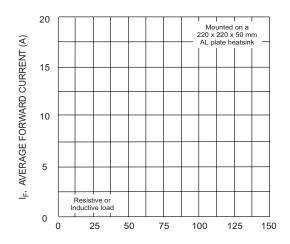
Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

2. Thermal resistance junction to case per element mounted on heatsink.



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 T_A , AMBIENT TEMPERATURE (°C) Fig. 1 Forward. Current Derating Curve

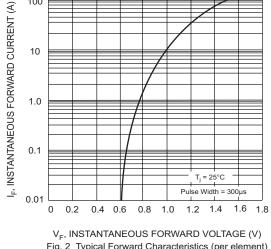
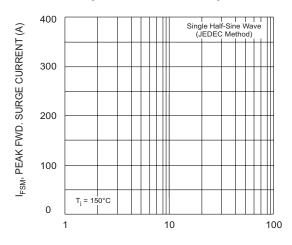


Fig. 2 Typical Forward Characteristics (per element)



NUMBER OF CYCLES AT 60 Hz Fig. 3 Max Non-Repetitive Surge Current

