

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939

KBP2005 THRU KBP210

Features

- Lead: Silver Plated Cooper Lead
- Electrically isolated base 1800Volts
- Lead Free Finish/RoHS Compliant (NOTE 1)("P" Suffix designates RoHS Compliant. See ordering information)
- Lead: Silver Plated Cooper Lead
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- UL Recognized File # E165989

Maximum Ratings

- Marking: Type Number
- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C
- I²t Rating for Fusing(t<8.3ms): 10 A²s

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
KBP2005	KBP2005	50V	35V	50V
KBP201	KBP201	100V	70V	100V
KBP202	KBP202	200V	140V	200V
KBP204	KBP204	400V	280V	400V
KBP206	KBP206	600V	420V	600V
KBP208	KBP208	800V	560V	800V
KBP210	KBP210	1000V	700V	1000V

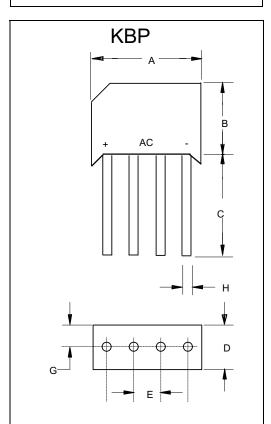
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	2.0A	T _A = 55°C
Peak Forward Surge Current	I _{FSM}	50A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_{F}	1.1V	I _{FM} = 1.0A per element; T _A = 25°C (Note 2)
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	10μA 1mA	T _J = 25°C T _J = 100°C

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7

2. Pulse Test: Pulse Width 300usec, Duty Cycle 1%

2 Amp Bridge Rectifier 50 to 1000 Volts



BUIELONO							
	DIMENSIONS						
	INCHES		ММ				
DIM	MIN	MAX	MIN	MAX	NOTE		
Α		.693		17.60			
В		.504		12.80			
С	.750		19.00	-			
D		.250		6.40			
Е	.150		3.80		3PL/TYP		
G	.125		3.20				
Н	.320		0.	.80			

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Figure 1 Forward Derating Curve

3

Amps

1

0

0

25

50

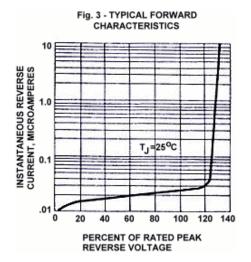
75

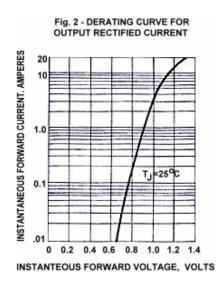
100

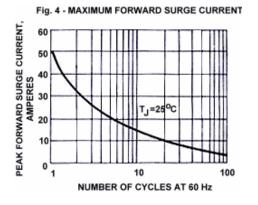
125

150

Average Forward Rectified Current - Amperes versus Ambient Temperature - $^{\circ}\text{C}$









Ordering Information

Device	Packing
(Part Number)-BP	Bulk;600pcs/Box

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