



Micro Commercial Components

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KBP4005G THRU KBP410G

Features

- High Surge forward current capability
- · Ideal for printed circuit board
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)

Maximum Ratings

- I²t Rating for Fusing(t<8.3ms): 50 A²S
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- UL Recognized File # E165989

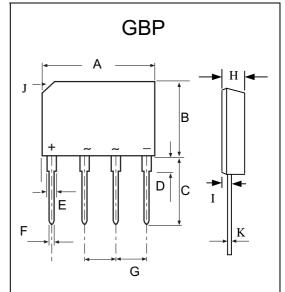
MCC Catalog Number	Device Marking	Maximum Recurrent Peak	Maximum RMS Voltage	Maximum DC Blocking
		Reverse		Voltage
		Voltage		
KBP4005G	KBP4005G	50V	35V	50V
KBP401G	KBP401G	100V	70V	100V
KBP402G	KBP402G	200V	140V	200V
KBP404G	KBP404G	400V	280V	400V
KBP406G	KBP406G	600V	420V	600V
KBP408G	KBP408G	800V	560V	800V
KBP410G	KBP410G	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

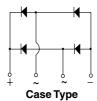
HECTLICAI CHATACTELISTICS @ 53.C AHECHE22 ATHELHIG						
Average Forward Current	$I_{F(AV)}$	4.0A	T _C = 70°C			
Peak Forward Surge Current	I _{FSM}	110A	8.3ms, half sine			
Maximum Instantaneous Forward Voltage	V_{F}	1.05V	I _{FM} = 2.0A T _A = 25°C			
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	10μΑ	T _A = 25°C			
Thermal Resistance	R θ JA R θ JC	47℃ /W 10℃ /W				

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

4 Amp Bridge Rectifier 50 to 1000 Volts



	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.561	.580	14.25	14.75	
В	.406	.417	10.10	10.60	
С	.561	.581	14.25	14.73	
D	.071	.087	1.80	2.20	
Е	.048	.056	1.22	1.42	
F	.030	.034	0.76	0.86	
G	.146	.154	3.70	3.90	
Н	.131	.144	3.35	3.65	
- 1	.031	.043	0.80	1.10	
J	.106 x45°		2.70x45°		
K	.014	.022	0.35	0.55	





Characteristics(Typical)

FIG1:lo-Tc Curve

FIG2:Surge Forward Current Capadility

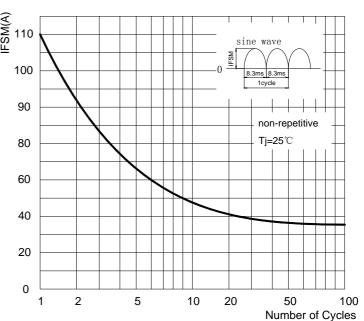


FIG3: Forward Voltage

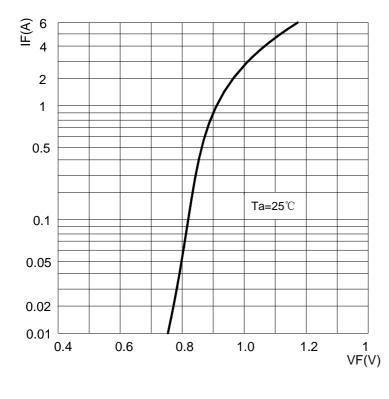
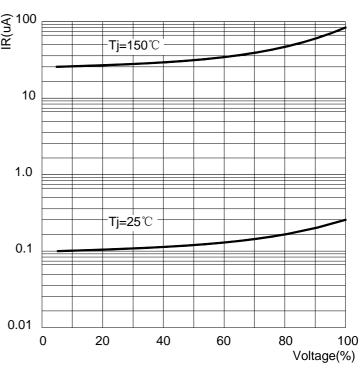


FIG4:Typical Reverse Characteristics



Tc(℃)



Ordering Information:

Device	Packing	
Part Number-BP	Bulk: 4.2Kpcs/Ctn	

Note: Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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Micro Commercial Components (MCC): KBP408G-BP KBP410G-BP