



Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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

UD3KB05 THRU UD3KB100

Features

- Lead Free Finish/RoHS Compliant (NOTE 1)("P" Suffix designates RoHS Compliant. See ordering information)
- High surge forward current capability
- Halogen free available upon request by adding suffix "-HF"
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

Operating Temperature: -55°C to +150°C
 Storage Temperature: -55°C to +150°C

Mounting Torque: 0.5 N·mUL Recognized File # E165989

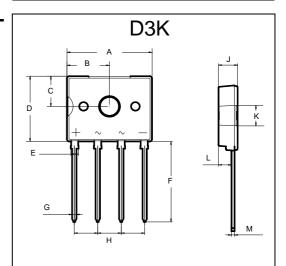
MCC	Device	Maximum	Maximum	Maximum
Catalog	Marking	Reccurrent	RMS	DC
Number		Peak Reverse	Voltage	Blocking
		Voltage	-	Voltage
UD3KB05	UD3KB05	50V	35V	50V
UD3KB10	UD3KB10	100V	70V	100V
UD3KB20	UD3KB20	200V	140V	200V
UD3KB40	UD3KB40	400V	280V	400V
UD3KB60	UD3KB60	600V	420V	600V
UD3KB80	UD3KB80	800V	560V	800V
UD3KB100	UD3KB100	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	3.0 A	Tc = 140°C
Peak Forward Surge Current	I _{FSM}	90A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V _F	1.05V	I _{FM} = 1.5A T _J = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	10 μΑ	T _a = 25°C
I ² t Rating for fusing	l ² t	35A ² S	(1ms< t<8.3ms)
Thermal Resistance	R _{thJA} R _{thJC}	55°C/W 1.5°C/W	

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

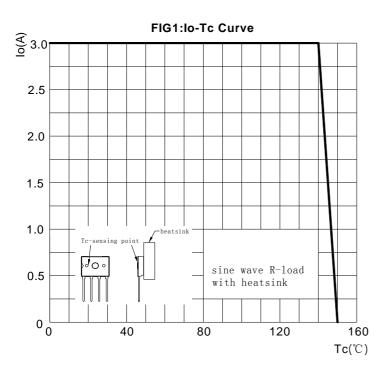
3 Amp Glass Passivated Bridge Rectifier 50 to 1000 Volts

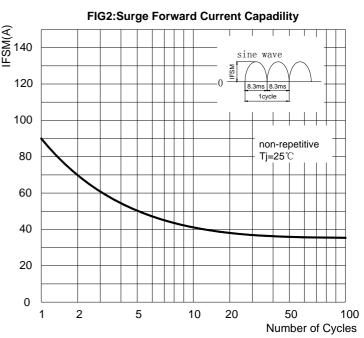


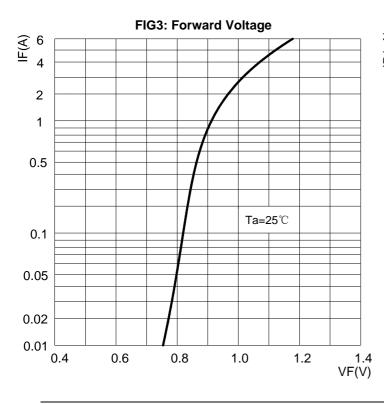
DIMENSIONS						
	INCHES		MM			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.524	.563	13.30	14.30		
В	.252	.291	6.40	7.40		
С	.177	.217	4.50	5.50		
D	.406	.445	10.30	11.30		
Е	.041	.057	1.05	1.45		
F	.516	.531	13.10	13.50		
G	.024	.033	0.60	0.85		
H	.146	.154	3.70	3.90		
J	.102	.142	2.60	3.60		
K	.122	.134	3.10	3.40		
L	.079	.087	2.00	2.20		
M	.016	.024	0.40	0.60		

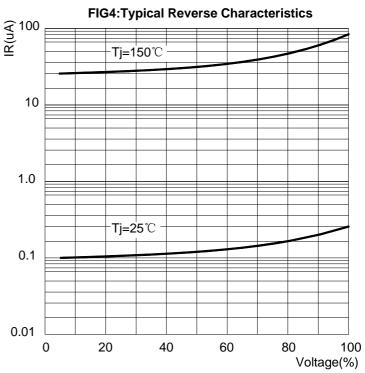


Characteristics(Typical)









www.mccsemi.com



Ordering Information:

Device	Packing
Part Number-BP	Bulk: 1.5Kpcs/Box

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

IMPORTANT NOTICE

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes. **Micro Commercial Components Corp.** does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights, nor the rights of others. The user of products in such applications shall assume all risks of such use and will agree to hold **Micro Commercial Components Corp.** and all the companies whose products are represented on our website, harmless against all damages.

LIFE SUPPORT

MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

CUSTOMER AWARENESS

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources. MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.