



Micro Commercial Components



Micro Commercial Components
20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

KBJL8005G THRU KBJL810G

**4 Amp
GLASS PASSIVATED
BRIDGE RECTIFIERS
50 to 1000 Volts**

Features

- Halogen free available upon request by adding suffix "-HF"
- Diffused Junction
- Low Forward Voltage Drop
- High Current Capability
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant (NOTE 1) ("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

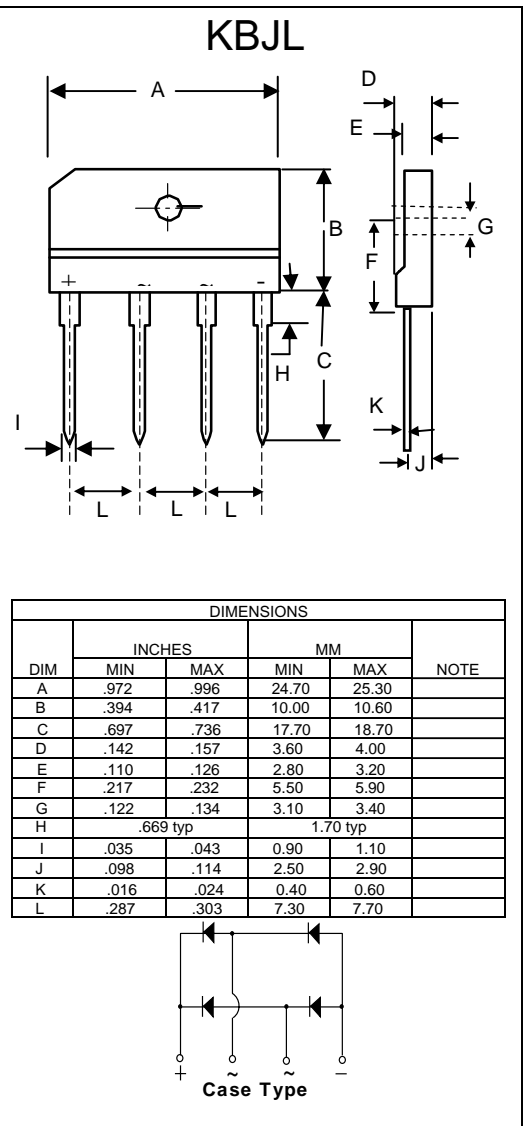
- Operating Junction Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Mounting Torque: 5.0 in-lbs Maximum
- UL Recognized File # E165989

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
KBJL8005G	KBJL8005G	50V	35V	50V
KBJL801G	KBJL801G	100V	70V	100V
KBJL802G	KBJL802G	200V	140V	200V
KBJL804G	KBJL804G	400V	280V	400V
KBJL806G	KBJL806G	600V	420V	600V
KBJL808G	KBJL808G	800V	560V	800V
KBJL810G	KBJL810G	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	8.0A	$T_C = 100^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	180A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.0V	$I_{FM} = 4.0\text{A per element};$ $T_A = 25^\circ\text{C (Note 2)}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5 μA 250 μA	$T_A = 25^\circ\text{C}$ $T_C = 125^\circ\text{C}$
I^2t Rating for fusing	I^2t	134A ² S	($t < 8.3\text{ms}$)

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7
2. Pulse Test: Pulse Width 300usec, Duty Cycle 1%



www.mccsemi.com

Revision: B

1 of 2

2013/01/01



Micro Commercial Components

Ordering Information

Device	Packing
(Part Number)-BP	Bulk;2.4K/Ctn

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.

www.mccsemi.com