



Micro Commercial Components



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KBJL4005G THRU KBJL410G

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

Features

- Diffused Junction
- Low Forward Voltage Drop
- High Current Capability
- Halogen free available upon request by adding suffix "-HF"
- 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

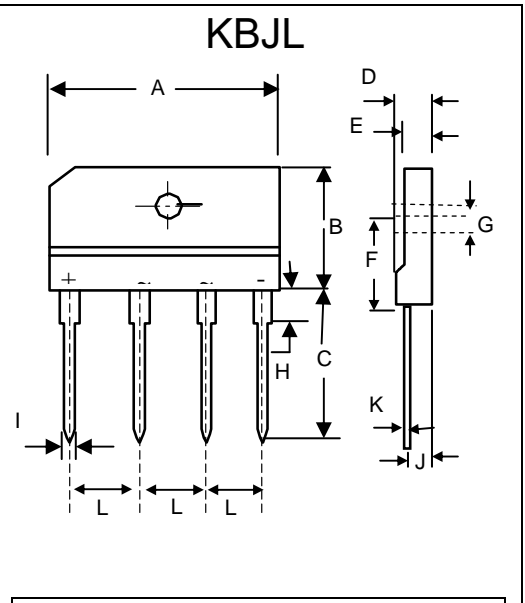
- Operating Junction Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Mounting Torque: 5.0 in-lbs Maximum
- UL Recognized File # E165989

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
KBJL4005G	KBJL4005G	50V	35V	50V
KBJL401G	KBJL401G	100V	70V	100V
KBJL402G	KBJL402G	200V	140V	200V
KBJL404G	KBJL404G	400V	280V	400V
KBJL406G	KBJL406G	600V	420V	600V
KBJL408G	KBJL408G	800V	560V	800V
KBJL410G	KBJL410G	1000V	700V	1000V

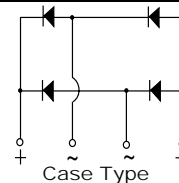
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	4.0A	$T_C = 100^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	150A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.0V	$I_{FM} = 2.0\text{A per element};$ $T_A = 25^\circ\text{C}$ (Note 2)
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10 μA 500 μA	$T_A = 25^\circ\text{C}$ $T_C = 100^\circ\text{C}$
I^2t Rating for fusing	I^2t	93A 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%



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.972	.996	24.70	25.30	
B	.394	.417	10.00	10.60	
C	.697	.736	17.70	18.70	
D	.142	.157	3.60	4.00	
E	.110	.126	2.80	3.20	
F	.217	.232	5.50	5.90	
G	.122	.134	3.10	3.40	
H	.669 typ		1.70 typ		
I	.035	.043	0.90	1.10	
J	.098	.114	2.50	2.90	
K	.016	.024	0.40	0.60	
L	.287	.303	7.30	7.70	



www.mccsemi.com



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Ordering Information

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

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

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