



Micro Commercial Components



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KBJL15005G THRU KBJL1510G

15 Amp GLASS PASSIVATED BRIDGE RECTIFIERS 50 to 1000 Volts

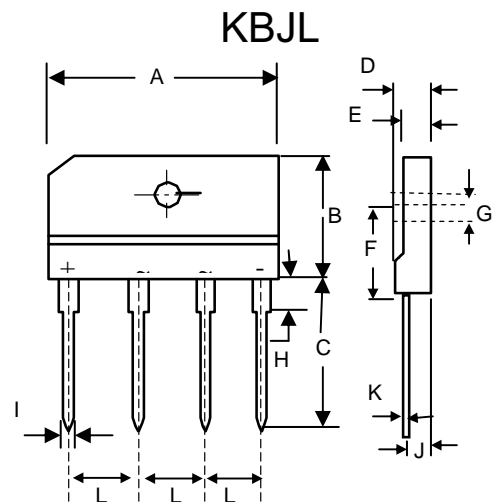
Features

- 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 (Note1) ("P" Suffix designates Compliant. See ordering information)

Maximum Ratings

- Operating Junction Temperature: -55°C to + 150°C
- Storage Temperature: -55°C to +150°C
- UL Recognized File # E165989

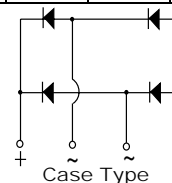
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
KBJL15005G	KBJL15005G	50V	35V	50V
KBJL1501G	KBJL1501G	100V	70V	100V
KBJL1502G	KBJL1502G	200V	140V	200V
KBJL1504G	KBJL1504G	400V	280V	400V
KBJL1506G	KBJL1506G	600V	420V	600V
KBJL1508G	KBJL1508G	800V	560V	800V
KBJL1510G	KBJL1510G	1000V	700V	1000V



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	15A	$T_C = 100^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	250A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.05V	$I_{FM} = 7.5\text{A}$ per element; $T_A = 25^\circ\text{C}$ (Note 2)
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5 μA	$T_A = 25^\circ\text{C}$
I^2t Rating for fusing	I^2t	260A ² S	(t<8.3ms)

DIM	DIMENSIONS				NOTE
	INCHES		MM		
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	



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



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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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