



Micro Commercial Components



Micro Commercial Components
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KBJL10005G THRU KBJL1010G

Features

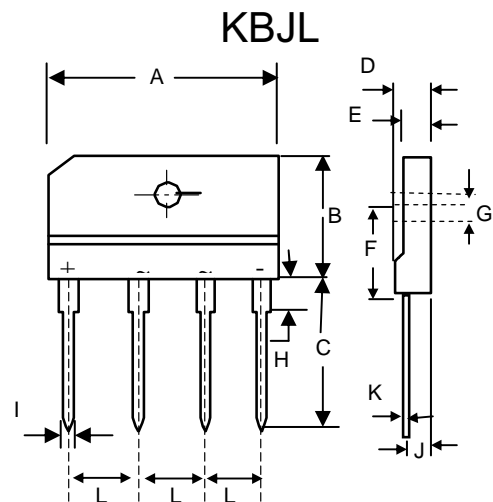
- Halogen free available upon request by adding suffix "-HF"
- Diffused Junction
- Low Forward Voltage Drop
- High Current Capability
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Lead Free Finish/RoHS Compliant (NOTE 1) ("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

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

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
KBJL10005G	KBJL10005G	50V	35V	50V
KBJL1001G	KBJL1001G	100V	70V	100V
KBJL1002G	KBJL1002G	200V	140V	200V
KBJL1004G	KBJL1004G	400V	280V	400V
KBJL1006G	KBJL1006G	600V	420V	600V
KBJL1008G	KBJL1008G	800V	560V	800V
KBJL1010G	KBJL1010G	1000V	700V	1000V

10 Amp GLASS PASSIVATED BRIDGE RECTIFIERS 50 to 1000 Volts

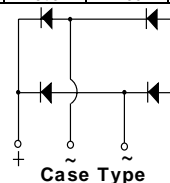


Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	10A	$T_C = 100^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	180A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.1V	$I_{FM} = 5.0\text{A}$ per element; $T_A = 25^\circ\text{C}$ (Note 2)
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5 μA	$T_A = 25^\circ\text{C}$
I^2t Rating for fusing	I^2t	60A 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 300 μs , Duty Cycle 1%

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	





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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-TP-HF

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