



Micro Commercial Components



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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

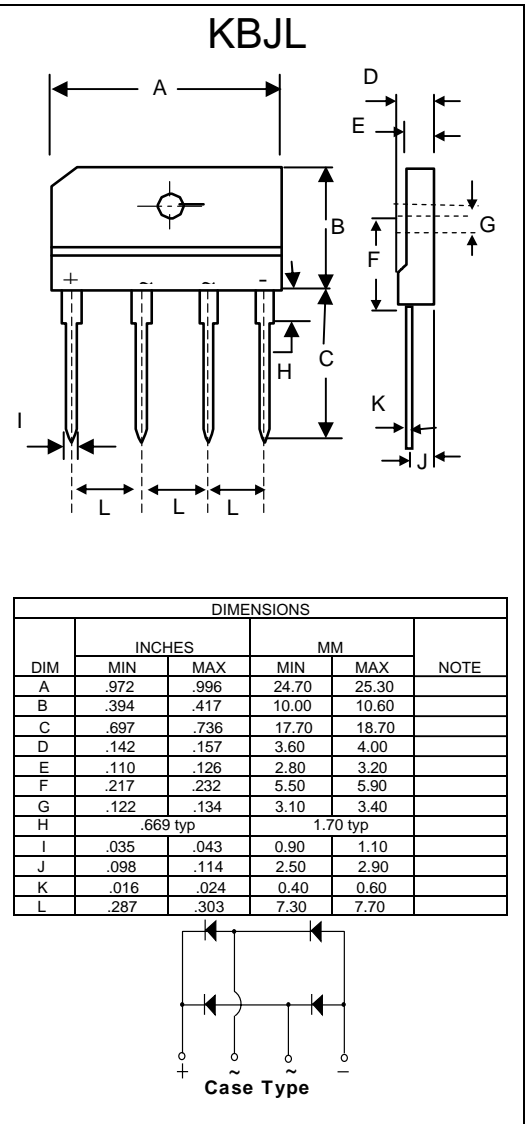
- Operating Junction Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Mounting Torque: 5.0 in-lbs Maximum
- UL Recognized File # E165989

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	5μA 250μA	$T_A = 25^\circ\text{C}$ $T_C = 125^\circ\text{C}$
I^2t Rating for fusing	I^2t	134A ² S	(t<8.3ms)

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