



Micro Commercial Components



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GBU10KL

10 Amp Single Phase Glass Passivated Bridge Rectifiers 800 Volts

Features

- UL Recognized File # E165989
- Glass Passivated Chip junction
- High Surge Overload Rating
- 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)
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

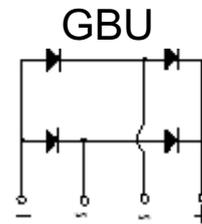
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Typical Thermal Resistance: 2.2°C/W Junction to Case(Heatsink)
- Mounting Torque: 5.0 in-lbs Maximum)

MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GBU10KL	800V	560V	800V

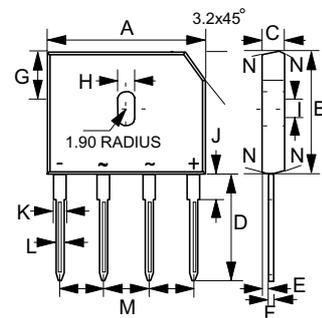
Electrical Characteristics @ 25°C Unless Otherwise Specified

Maximum Average Forward Current	$I_{F(AV)}$	10 A	$T_C = 100^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	200A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	0.9 V	At 5A DC
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5.0uA 500uA	$T_A = 25^\circ\text{C}$ $T_A = 125^\circ\text{C}$
Typical Junction Capacitance	C_J	70pF	Measured at 1.0MHz, $V_R=4.0V$
I^2t Rating for Fusing	I^2t	200A ² S	$t < 8.3\text{ms}$

Note: 1.High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7



Case Style



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.860	.880	21.80	22.30	
B	.720	.740	18.30	18.80	
C	.130	.142	3.30	3.60	
D	.690	.717	17.50	18.20	
E	.030	.039	0.76	1.00	
F	.018	.024	0.46	0.60	
G	.290	.310	7.40	7.90	
H	.140	.160	3.50	4.10	
I	.065	.085	1.65	2.16	
J	.060	.096	1.52	2.45	
K	.077	.098	1.95	2.50	
L	.040	.050	1.02	1.27	
M	.190	.210	4.83	5.33	
N	7.0° TYPICAL				



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Ordering Information

Device	Packing
ÖÓWFESL	Bulk;1K/Box

Note : Adding "-HF" suffix for halogen free, eg. GBU15KL-BP-HF

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