



Micro Commercial Components Corp.

Complete Discrete Semiconductor Solutions

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Part Number	GBU4A
product family	BRIDGE RECTIFIERS
package type	GBU
VRM(PRV)	50V
Ifsm	150A
IF(AV)	4.0A
@Vf	1.0V
@If	2.0A
Trr	
IR	5.0μA
@VR	50V
Package Qty	Tube : 20pcs/Tube, 1K/Box, 2K/Ctn;

This product is listed under the following categories where you may find similar products:
[Diodes](#)
[Bridge Rectifiers](#)



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GBU4A THRU GBU4M

Features

- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Glass Passivated Chip Junction
- High Surge Overload Rating
- Lead Free Finish/RoHS Compliant (NOTE 1) ("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

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

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GBU4A	GBU4A	50V	35V	50V
GBU4B	GBU4B	100V	70V	100V
GBU4D	GBU4D	200V	140V	200V
GBU4G	GBU4G	400V	280V	400V
GBU4J	GBU4J	600V	420V	600V
GBU4K	GBU4K	800V	560V	800V
GBU4M	GBU4M	1000V	700V	1000V

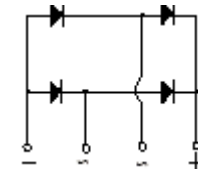
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current (NOTE 1,2)	$I_{F(AV)}$	4 A	$T_c = 100^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	150A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	1.0V	$I_{FM}=2A$ $T_J = 25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5 μA 500uA	$T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$
Typical thermal resistance per leg	$R_{\theta JC}$	2.2°C/W	
Typical Junction Capacitance	C_J	45pF	Measured at 1.0MHz, $V_R=4.0V$

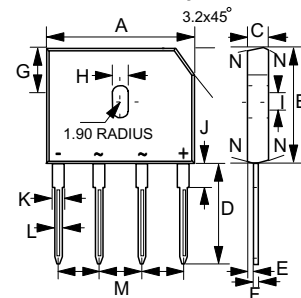
Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7

4 Amp Single Phase Glass Passivated Bridge Rectifier 50 to 1000 Volts

GBU



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	.140	3.30	3.56	
D	.690	.710	17.50	18.00	
E	.030	.039	0.76	1.00	
F	.018	.022	0.46	0.56	
G	.290	.310	7.40	7.90	
H	.140	.160	3.50	4.10	
I	.065	.085	1.65	2.16	
J	.089	.108	2.25	2.75	
K	.077	.093	1.95	2.35	
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
(Part Number)-BP	Bulk;20pcs/Tube

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