

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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GBU6A THRU GBU6M

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
- Typical Thermal Resistance 2.2°C/W Junction to Case
- UL Recognized File # E165989

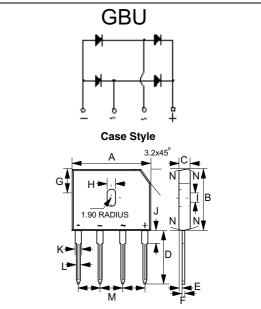
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GBU6A	GBU6A	50V	35V	50V
GBU6B	GBU6B	100V	70V	100V
GBU6D	GBU6D	200V	140V	200V
GBU6G	GBU6G	400V	280V	400V
GBU6J	GBU6J	600V	420V	600V
GBU6K	GBU6K	800V	560V	800V
GBU6M	GBU6M	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	6 A	Tc = 100°C			
Peak Forward Surge Current	I _{FSM}	175A	8.3ms, half sine			
Maximum Instantaneous Forward Voltage	V _F	1.0V	I _{FM} =3A T _J = 25°C			
I ² t Rating for fusing	l ² t	127A ² S	(t<8.3ms)			
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5 μΑ 500uA	T _J = 25°C T _J = 125°C			
Typical Junction Capacitance	CJ	50pF	Measured at 1.0MHz, V _R =4.0V			

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

6 Amp Single Phase **Glass Passivated Bridge Rectifier** 50 to 1000 Volts

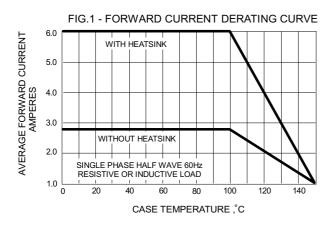


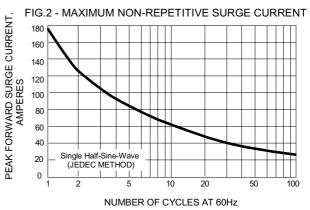
DIMENSIONS						
	INCHES		MM			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.860	.880	21.80	22.30		
В	.720	.740	18.30	18.80		
С	.130	.140	3.30	3.56		
D	.690	.710	17.50	18.00		
Е	.030	.039	0.76	1.00		
F	.018	.022	0.46	0.56		
G	.290	.310	7.40	7.90		
Н	.140	.160	3.50	4.10		
- 1	.065	.085	1.65	2.16		
J	.089	.108	2.25	2.75		
K	.077	.093	1.95	2.35		
L	.040	.050	1.02	1.27		
M	.190	.210	4.83	5.33		
N		7 0° TY	/PICAI		l	

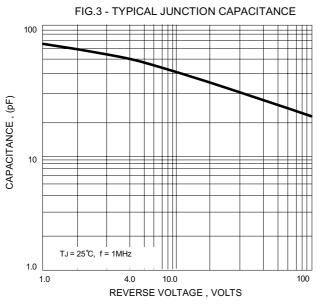


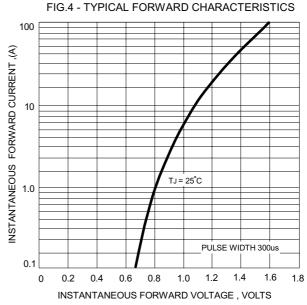
GBU6A thru GBU6M

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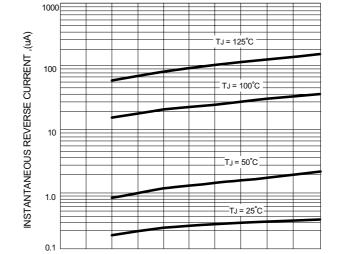


FIG.5 - TYPICAL REVERSE CHARACTERISTICS

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PERCENT OF RATED PEAK REVERSE VOLTAG, (%)



Ordering Information

Device	Packing
(Part Number)-BP	Bulk;20pcs/Tube

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