

FL E502650

Features

- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Lead Free Finish/RoHS Compliant (Note1) ("P"Suffix Designates Compliant. See Ordering Information)
- High Surge Forward Current Capability
- Epoxy Meets UL 94 V-0 Flammability Rating

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance: 2.2°C/W Junction to Case (Note 2)

Mechanical Data

• Mounting Torque: 5in-lbs

MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GBU20005	50V	35V	50V
GBU2001	100V	70V	100V
GBU2002	200V	140V	200V
GBU2004	400V	280V	400V
GBU2006	600V	420V	600V
GBU2008	800V	560V	V008
GBU2010	1000V	700V	1000V

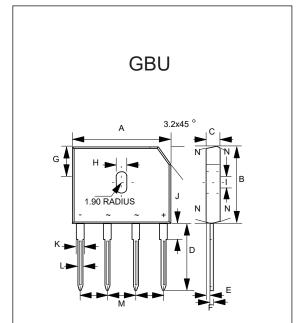
Electrical Characteristics @ 25°C Unless Otherwise Specified

Maximum Average Forward Current (With Heatsink)	I _{F(AV)}	20A	T _C = 100°C
Peak Forward Surge Current	I _{FSM}	240A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage	V _F	1.1V	I _{FM} =10A T _A = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5μΑ 500μΑ	T _A = 25°C T _A = 125°C
Typical Junction Capacitance	CJ	70pF	Measured at 1.0MHz, V _R =4.0V
Rating for Fusing	l²t	239A ² s	t<8.3ms

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

2. Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.

20 Amp Single Phase Glass Passivated Bridge Rectifiers 50 to 1000 Volts



	DIMENSIONS					
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX	INOTE	
Α	0.860	0.880	21.80	22.30		
В	0.720	0.740	18.30	18.80		
С	0.130	0.142	3.30	3.60		
D	0.690	0.717	17.50	18.20		
Е	0.030	0.039	0.76	1.00		
F	0.018	0.024	0.46	0.60		
G	0.290	0.310	7.40	7.90		
Н	0.140	0.160	3.50	4.10		
I	0.065	0.085	1.65	2.16		
J	0.060	0.096	1.52	2.45		
K	0.077	0.098	1.95	2.50		
L	0.040	0.050	1.02	1.27		
М	0.190	0.210	4.83	5.33		
N	7.0° TYPICAL					



Curve Characteristics

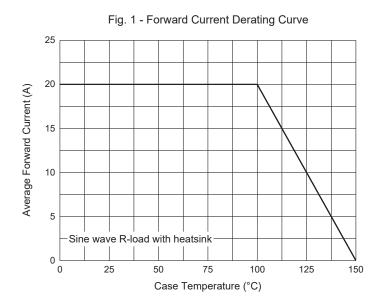
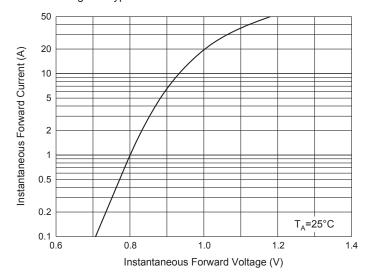


Fig. 3 - Typical Instantaneous Forward Characteristics



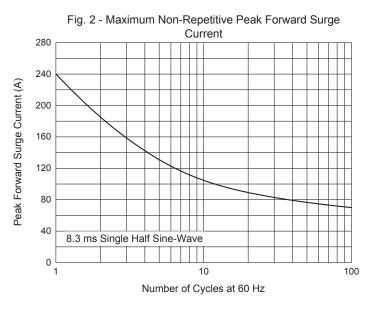
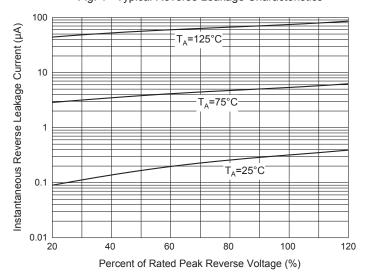


Fig. 4 - Typical Reverse Leakage Characteristics





Ordering Information

Device	Packing	
Part Number-BP	Bulk:20pcs/Tube,1Kpcs/Box,2Kpcs/Carton	

Note: Adding "-HF" Suffix For Halogen Free, eg. Part Number-BP-HF

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