

F1 E502650

Features

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

15 Amp Low VF Glass Passivated Bridge Rectifier 600 - 800 Volts

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance: 0.8°C/W Junction to case (Note 2)
- Typical Thermal Resistance: 22°C/W Junction to Ambient Without Heatsink

Mechanical Data

• Mounting Torque: 5in-lbs

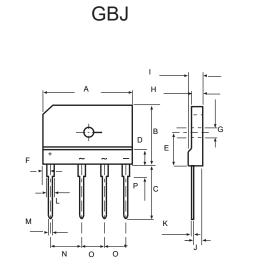
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GBJ1506L	GBJ1506L	600V	420V	600V
GBJ1508L	GBJ1508L	800V	560V	800V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	15A	T _C = 110°C	
Peak Forward Surge Current	I _{FSM}	380A	8.3ms, Half Sine	
Maximum Instantaneous Forward Voltage	V_{F}	0.92V	I _{FM} = 7.5A;T _J = 25°C	
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5μΑ 150μΑ	T _J = 25°C T _J = 125°C	
Rating for Fusing	l²t	599 A ² s	t<8.3ms	

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

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



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	DIMENSIONS						
DIM	INCHES		MM		NOTE		
DIIVI	MIN	MAX	MIN	MAX	NOTE		
Α	1.170	1.190	29.70	30.30			
В	0.780	0.800	19.70	20.30			
С	0.670	0.710	17.00	18.00			
D	0.190	0.190	4.70	4.90			
E	0.430	0.440	10.80	11.20			
F	0.090	0.110	2.30	2.70			
G	0.120	0.130	3.10	3.40			
Н	0.130	0.150	3.40	3.80			
I	0.170	0.190	4.40	4.80			
J	0.100	0.110	2.50	2.90			
K	0.020	0.030	0.60	0.80			
L	0.080	0.090	2.00	2.40			
М	0.040	0.040	0.90	1.10			
N	0.390	0.400	9.80	10.20			
0	0.290	0.300	7.30	7.70			
Р	0.150	0.170	3.80	4.20			



Curve Characteristics

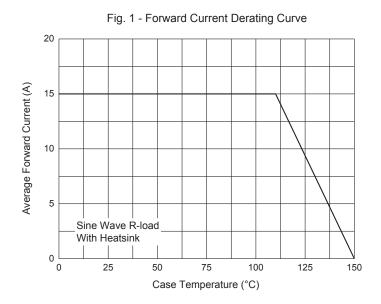
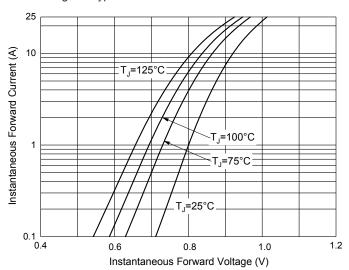


Fig. 3 - Typical Instantaneous Forward Characteristics



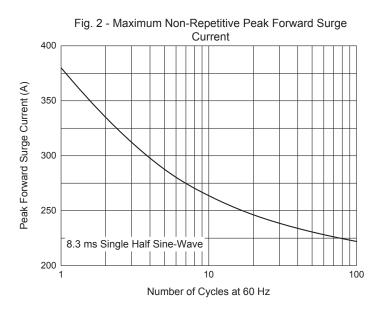
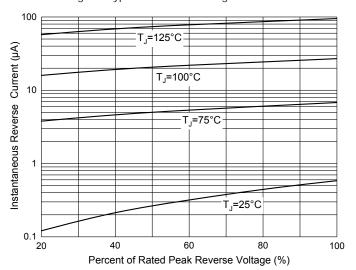


Fig. 4 - Typical Reverse Leakage Characteristics





Ordering Information

Device	Packing	
Part Number-BP	Bulk:15pcs/Tube,750pcs/Box,1500pcs/Carton	

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

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