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E502650

Features

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

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance: 2°C/W Junction to Case(Note2)

Mechanical Data

Mounting Torque: 5in-lbs

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GBJ1010S	GBJ1010S	1000V	700V	1000V

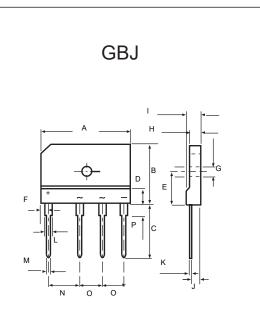
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	10A 3.5A	T_{c} = 110°C,With Heatsink T_{A} = 25°C,Without Heatsink	
Peak Forward Surge Current	I _{FSM}	175A	8.3ms, Half Sine	
Maximum Forward Voltage Drop Per Element	V _F	1.0V	I _{FM} = 5A Per Diode; T _J = 25°C	
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5µA 100uA	T _J = 25°C T _J = 125°C	
Dielecric Strength	V _{ISO}	2.5KV	Terminals to Case, AC 1 Minute	
Rating for Fusing	l²t	127 A ² s	t<8.3ms	
Typical Junction Capacitance	CJ	53 pF	Measured at 1.0MHz, V _R =4.0V	

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.

10 Amp Glass Passivated Bridge Rectifier 1000 Volts

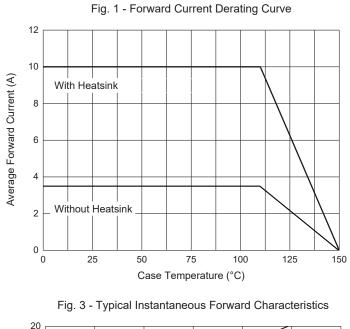


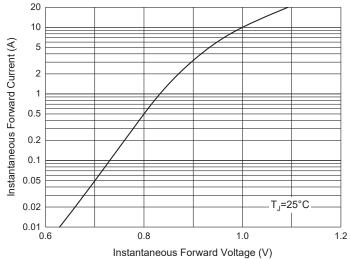
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	NOTE
А	1.170	1.190	29.70	30.30	
В	0.780	0.800	19.70	20.30	
С	0.670	0.710	17.00	18.00	
D	0.190	0.190	4.70	4.90	
Е	0.430	0.440	10.80	11.20	
F	0.090	0.110	2.30	2.70	
G	0.120	0.130	3.10	3.40	
Н	0.130	0.150	3.40	3.80	
Ι	0.170	0.190	4.40	4.80	
J	0.100	0.110	2.50	2.90	
Κ	0.020	0.030	0.60	0.80	
L	0.080	0.090	2.00	2.40	
Μ	0.040	0.040	0.90	1.10	
Ν	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	

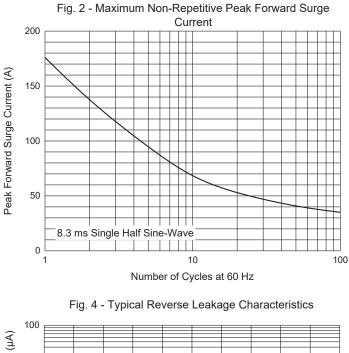


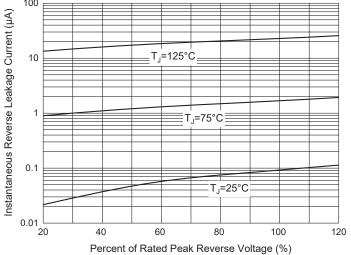


Curve Characteristics











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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