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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 Surge Current Capability
- Thin Single In-line Package

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance : 47°C/W Junction to Ambient
- Typical Thermal Resistance : 10°C/W Junction to Case

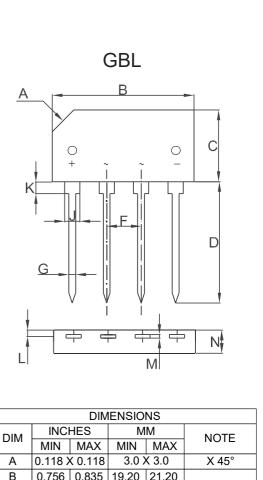
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GBL610S	GBL610S	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

1	1	1	1
Maximum Average Forward Current	I _{F(AV)}	6.0A	T _A = 25°C
Peak Forward Surge Current	I _{FSM}	150A	8.3ms, Half Sine
Maximum Instantaneous Forward Voltage	V _F	1.0V	I _{FM} = 3.0A; T _J = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5μΑ 100μΑ	T _J = 25°C T _J = 125°C
Rating for Fusing	l²t	78.4 A²s	1ms <t<8.3ms< td=""></t<8.3ms<>
Typical Junction Capacitance	CJ	45pF	Measured at 1.0MHz, V _R =4.0V
Dielecric Strength	V _{ISO}	2KV	Terminals to Case, AC 1 Minute

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

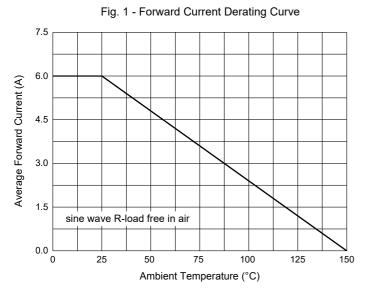
6.0 Amp Glass Passivated Single-Phase Rectifiers 1000 Volts

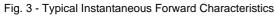


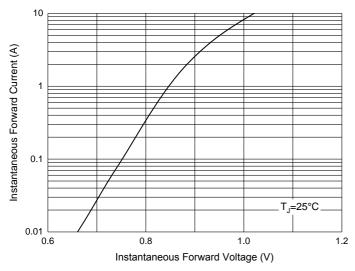
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	NOIL
Α	0.118 >	K 0.118	3.0 2	X 3.0	X 45°
В	0.756	0.835	19.20	21.20	
С	0.413	0.453	10.50	11.50	
D	0.512	0.591	13.00	15.00	
F	0.193	0.201	4.90	5.10	
G	0.039	0.047	1.00	1.20	
J	0.047	0.071	1.20	1.80	
K	0.079	0.118	2.00	3.00	
L	0.035	0.043	0.90	1.10	
Μ	0.020	0.027	0.50	0.70	
Ν	0.118	0.157	3.00	4.00	

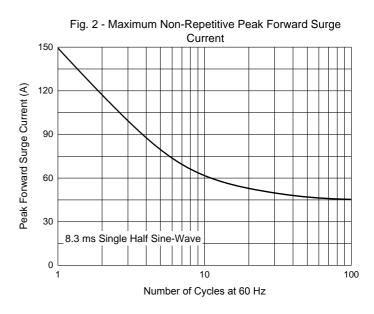


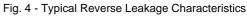
Curve Characteristics

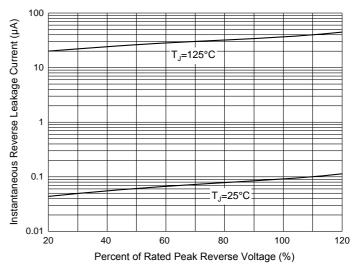














Ordering Information

Device	Packing
Part Number-BP	Tube:22pcs/Tube,1100pcs/Box,4400pcs/Ctn;

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

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