Micro Commercial Components

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GBPC35005W THRU GBPC3510W

35 Amp Glass Passivated Single Phase Bridge Rectifier 50 to 1000 Volts

Features

- Halogen free available upon request by adding suffix "-HF"
- Glass Passivated Chip Junction
- Surge Rating Of 400 Amps
- Mounting Hole For #10 Screw
- Any Mounting Position
- With heat sink on top
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- 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
- UL Recongnized File # E165989
- Mounting Torgue: 8.0 in-lbs Maximum

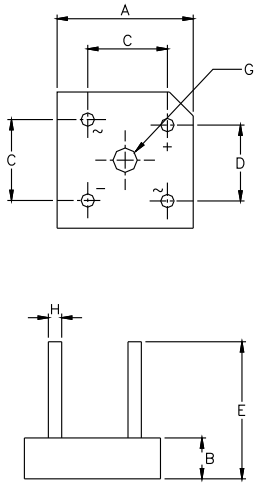
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GBPC35005W	GBPC35005W	50V	35V	50V
GBPC3501W	GBPC3501W	100V	70V	100V
GBPC3502W	GBPC3502W	200V	140V	200V
GBPC3504W	GBPC3504W	400V	280V	400V
GBPC3506W	GBPC3506W	600V	420V	600V
GBPC3508W	GBPC3508W	800V	560V	800V
GBPC3510W	GBPC3510W	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	35.0A	T_C = 60°C
Peak Forward Surge Current	I_{FSM}	400A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.1V	I_{FM} = 17.5A per element; T_J = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5μA 500uA	T_J = 25°C T_J = 125°C

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

GBPC-W



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	1.122	1.142	28.50	29.00	
B	.432	.442	10.97	11.23	
C	.673	.752	17.10	19.10	
D	.410	.490	10.40	12.40	
E	1.20	----	30.50	---	
H	.038	.042	0.97	1.07	
G	.200	.220	5.08	5.59	

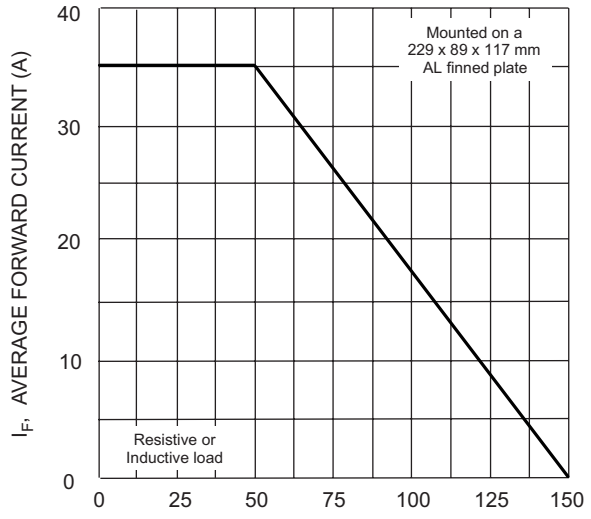


Fig. 1 Forward. Current Derating Curve

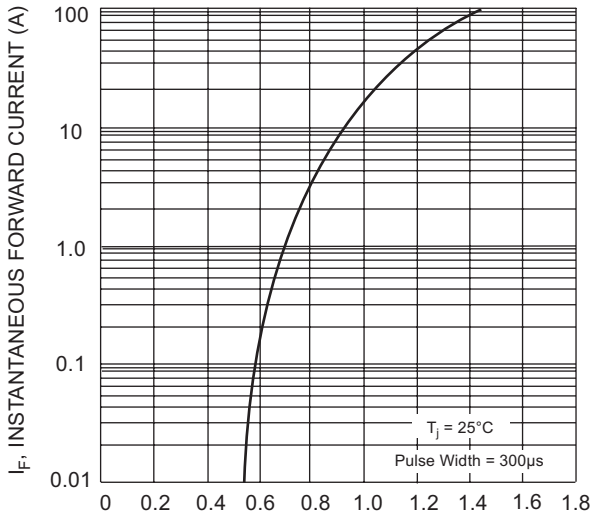


Fig. 2 Typical Forward Characteristics (per element)

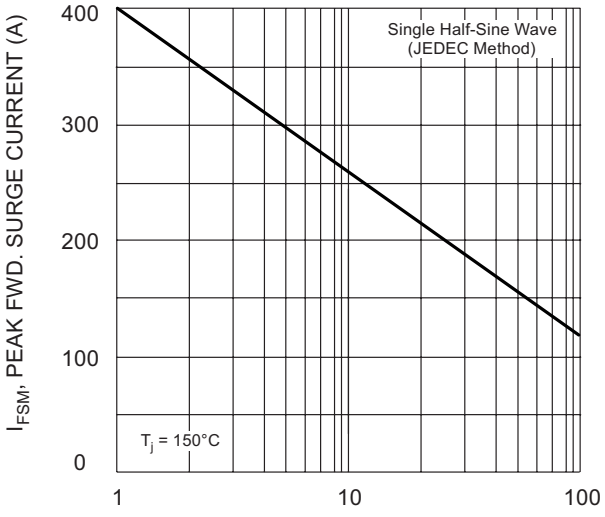


Fig. 3 Max Non-Repetitive Surge Current

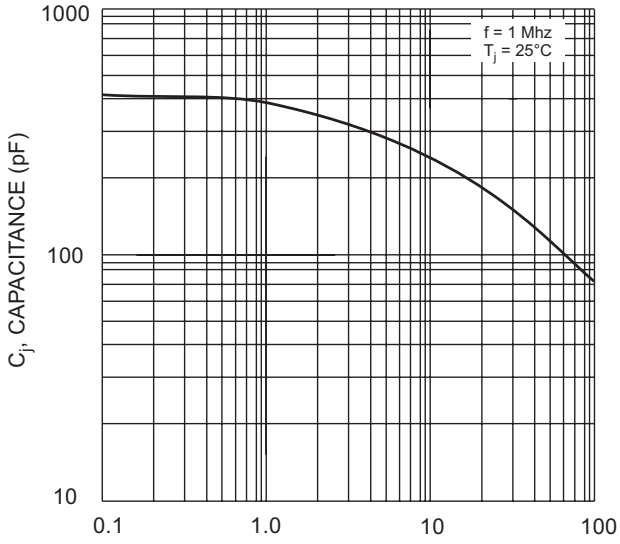


Fig. 4 Typical Junction Capacitance (per element)

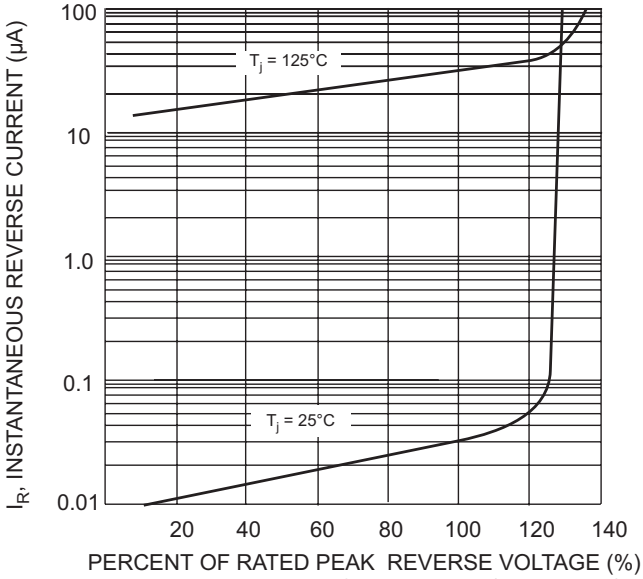


Fig. 5 Typical Reverse Characteristics (per element)

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Ordering Information

Device	Packing
(Part Number)-BP	Bulk;400Pcs/Ctn

Note : Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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