Micro Commercial Components

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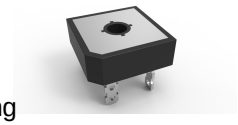
GBPC50005 THRU GBPC5010

50 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 500 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

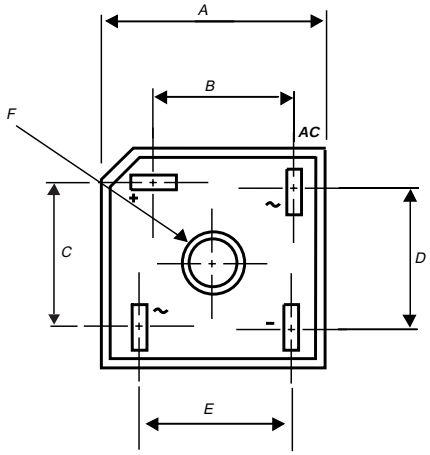
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GBPC50005	GBPC50005	50V	35V	50V
GBPC5001	GBPC5001	100V	70V	100V
GBPC5002	GBPC5002	200V	140V	200V
GBPC5004	GBPC5004	400V	280V	400V
GBPC5006	GBPC5006	600V	420V	600V
GBPC5008	GBPC5008	800V	560V	800V
GBPC5010	GBPC5010	1000V	700V	1000V

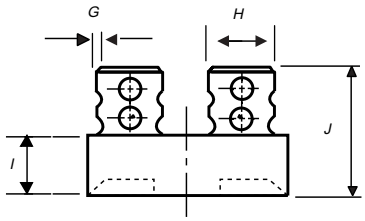
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	50.0A	T_C = 55°C with heatsink
Peak Forward Surge Current	I_{FSM}	500A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.1V	I_{FM} = 25A 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





DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	1.114	1.134	28.30	28.80	
B	.634	.673	16.10	17.10	
C	.634	.673	16.10	17.10	
D	.543	.583	13.80	14.80	
E	.693	.732	17.60	18.60	
F	0.197 Nominal		5.00 Nominal		∅
G	.030	.034	0.76	0.86	
H	.244	.256	6.20	6.50	
I	.291	.335	7.40	8.50	
J	.740	.850	18.80	21.60	

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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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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
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Данный компонент на территории Российской Федерации

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Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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