



Micro Commercial Components

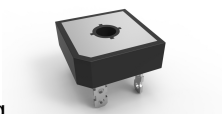


Micro Commercial Components
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GBPC50005 THRU GBPC5010

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 Recognized File # E165989
- Mounting Torque: 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

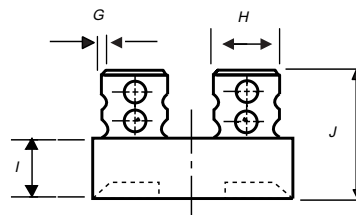
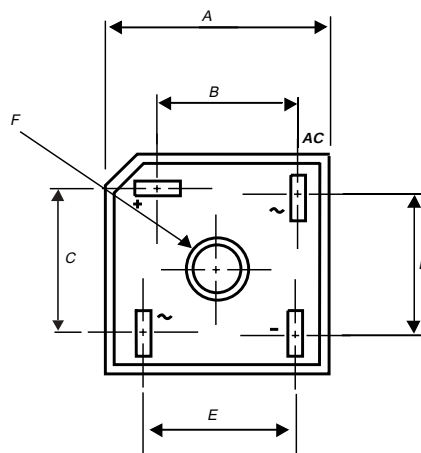
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	50.0A	$T_C = 55^\circ\text{C}$ with heatsink
Peak Forward Surge Current	I_{FSM}	500A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.1V	$I_{FM} = 25\text{A}$ per element; $T_J = 25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5μA 500uA	$T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$

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

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

GBPC



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
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		Ø
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	

www.mccsemi.com

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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CUSTOMER AWARENESS

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. **MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources.** MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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