DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

THRU

GBPC50005

GBPC5010

TECHNICAL SPECIFICATIONS OF GLASS PASSIVATED BRIDGE RECTIFIER

VOLTAGE RANGE - 50 to 1000 Volts

FEATURES

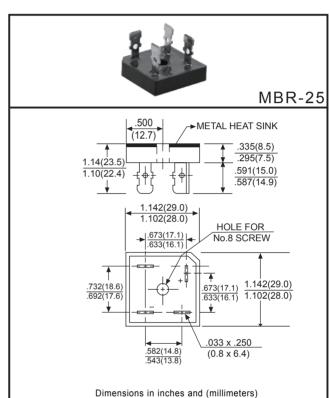
- * Ideal for printed circuit boardd
- * High surge current capability
- * Low forward voltage drop
- * Glass passivated junction

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94-V0 rate flame retardant
- * Terminals: Solder plated solderable per MIL-STD-750, Method 2026
- * Polarity: As marked
- * Mounting position: Any
- * Weight: 25 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25^oC ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

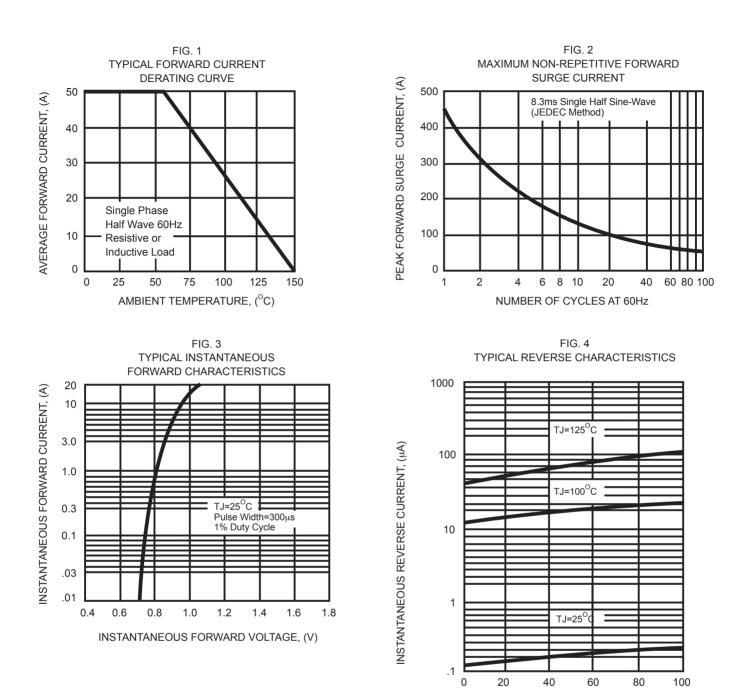


	SYMBOL	GBPC 50005	GBPC 5001	GBPC 5002	GBPC 5004	GBPC 5006	GBPC 5008	GBPC 5010	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at TA = 55°C	lo	50						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	450						Amps	
Maximum Instantaneous Forward Voltage at 25 A DC	VF	1.1					Volts		
Maximum DC Reverse Current at Rated@TJ = 25°CDC Blocking Voltage@TJ = 125°C	- IR	10 1000						μAmps	
I ² t Rating for Fusing (t<8.3msS)	l ² t	664						A ² s	
Operating and Storage Temperature Range	TJ,TSTG	-55 to +150						°C	

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CURRENT - 50 Amperes

RATING AND CHARACTERISTIC CURVES (GBPC50005 THRU GBPC5010)





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