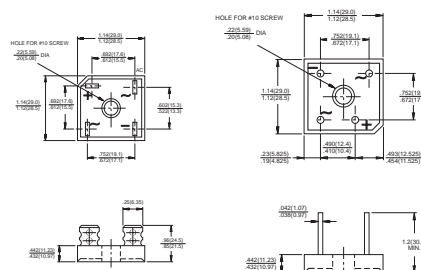


GBPC 15, 25, 35 SERIES

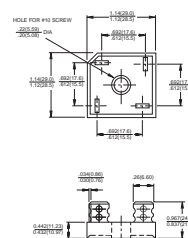
High Current 15, 25, 35 AMPS. Single Phase
Glass Passivated Bridge Rectifiers

GBPC

GBPC-W



GBPC-M



Dimensions in inches and (millimeters)

Features

- ✧ UL Recognized file # E-96005
- ✧ The plastic material used carries Underwriters Laboratory Flammability Recognition 94V-0
- ✧ Integrally molded heatsink provide very low thermal resistance for maximum heat dissipation
- ✧ Surge overload ratings from 300 amperes to 400 amperes
- ✧ Terminals solderable per MIL-STD-202, Method 208 (For wire type)
- ✧ Typical I_R less than 0.2 uA
- ✧ High temperature soldering guaranteed: 260 °C / 10 seconds / .375", (9.5mm) lead lengths(For wire type)
- ✧ Isolated voltage from case to lead over 2500 volts

Maximum Ratings and Electrical Characteristics

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

Type Number	Symbol	-005	-01	-02	-04	-06	-08	-10	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ $T_C = 55^\circ C$	$I_{(AV)}$	15.0 25.0 35.0							A
Peak Forward Surge Current, Single Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	300 300 400							A
Maximum Instantaneous Forward Voltage Drop Per Element at Specified Current	V_F	GBPC15 7.5A GBPC25 12.5A GBPC35 17.5A 1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage Per Element	I_R	5							uA
Typical Thermal Resistance (Note 1)	$R_{\theta JC}$	1.5							°C/W
Operating and Storage Temperature Range	T_J, T_{STG}	-50 to +150							°C

Notes: 1. Thermal Resistance from Junction to Case.

2. Suffix "W" - Wire Lead Structure/"M" - Terminal Location Face to Face.

**RATINGS AND CHARACTERISTIC CURVES (GBPC25005 THRU GBPC2510)
GBPC15005 GBPC1510
GBPC35005 GBPC3510**

