

GBPC 15, 25, 35 SERIES

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

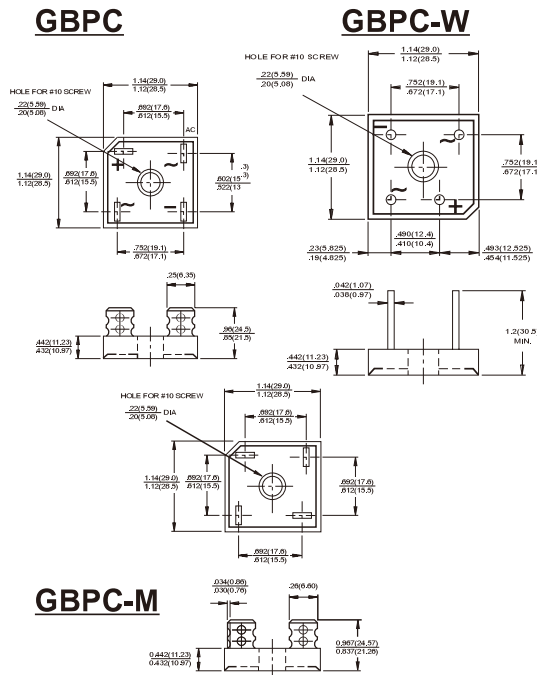


Features

- ✧ UL Recognized file # E-326243
- ✧ 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
- ✧ 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

Mechanical Data

- ✧ Case: Molded plastic body.
- ✧ Terminals: Pure tin plated, Lead free, leads solderable per MIL-STD-202, Method 208
- ✧ Weight: 16.95 grams
- ✧ Mounting Torque: 20 inches-lbs. max.



Dimensions in inches and (millimeters)

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%

[illegible]

Notes: 1. Pulse Test with PW=300 usec, 1% Duty Cycle

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

Version: G10

RATINGS AND CHARACTERISTIC CURVES (GBPC25005 THRU GBPC3510)

GBPC15005

GBPC1510

GBPC35005

GBPC3510

FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

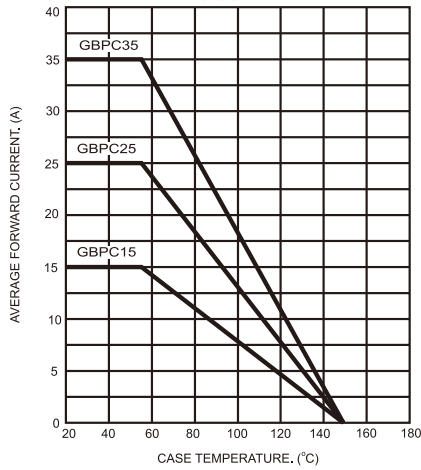


FIG.2- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

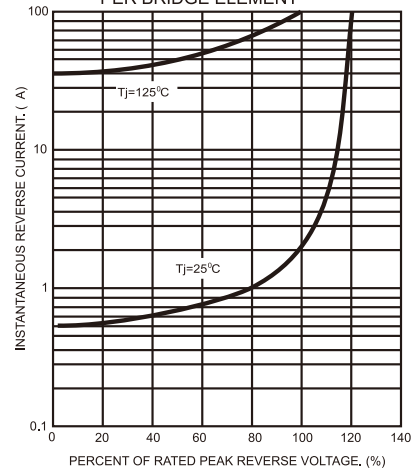


FIG.3- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMENT

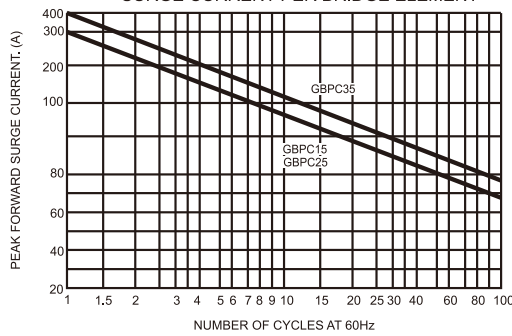


FIG.4- TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

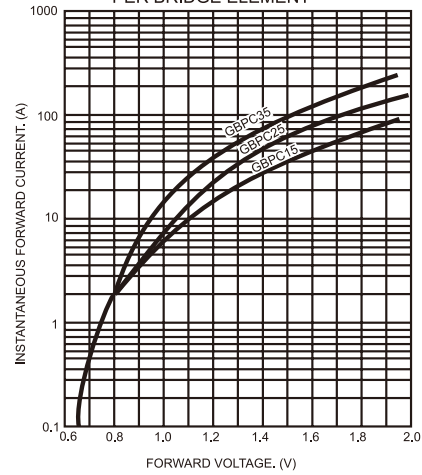


FIG.5- TYPICAL JUNCTION CAPACITANCE

