



GPA1601 - GPA1607

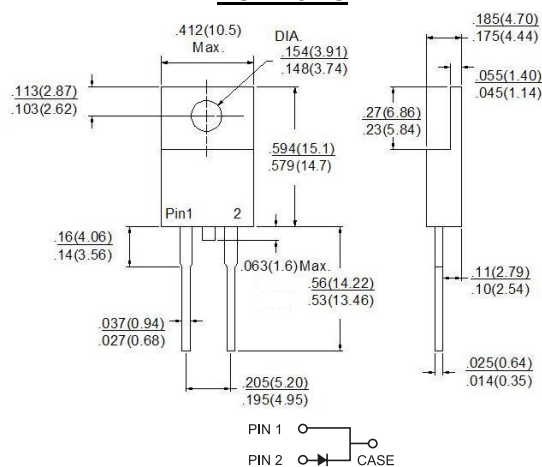
16.0 AMPs. Glass Passivated Rectifiers TO-220AC

Features

- ✧ Glass Passivated chip junction
- ✧ High efficiency, Low VF
- ✧ High Current capacity
- ✧ High reliability
- ✧ High Surge current capability
- ✧ Low power loss
- ✧ Green compound with suffix "G" on packing code & prefix "G" on datecode.

Mechanical Data

- ✧ Cases: TO-220AC Molded plastic
- ✧ Epoxy: UL 94V-O rate flame retardant
- ✧ Terminal : Pure tin plated, lead free, solderable per MIL-STD-202, Method 208 guaranteed
- ✧ Polarity: As marked
- ✧ High temperature soldering guaranteed:
260°C/10 seconds .16"(4.06mm) from case.
- ✧ Weight: 2.24 gram



Dimensions in inches and (millimeters)

Marking Diagram



GPA160X= Specific Device Code
G = Green Compound
Y = Year
WW = Work Week

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]

Note 1. Measured at 1 MHz and Applied Reverse Voltage of 4.0 V D.C.

2. Mount on P.C. Board with 2"x3" x0.25" Al-plate

RATINGS AND CHARACTERISTIC CURVES (GPA1601 THRU GPA1607)

FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

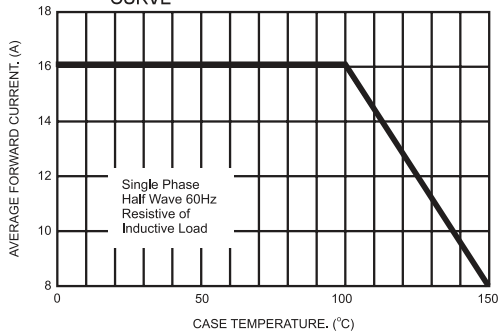


FIG.2- TYPICAL REVERSE CHARACTERISTICS

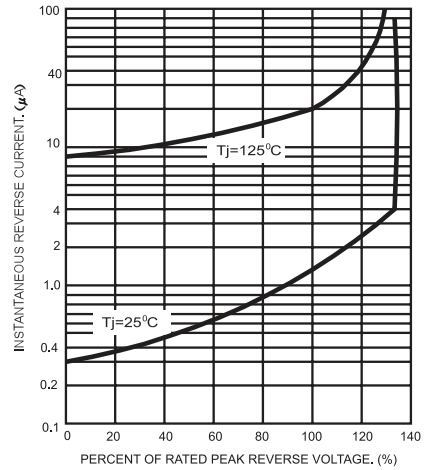


FIG.3- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

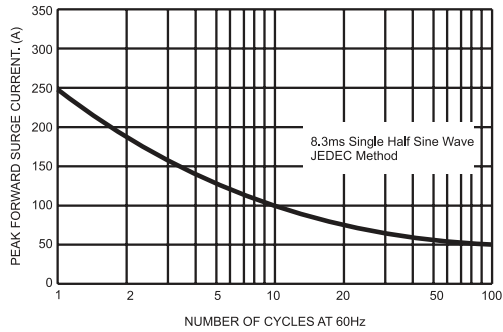


FIG.5- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

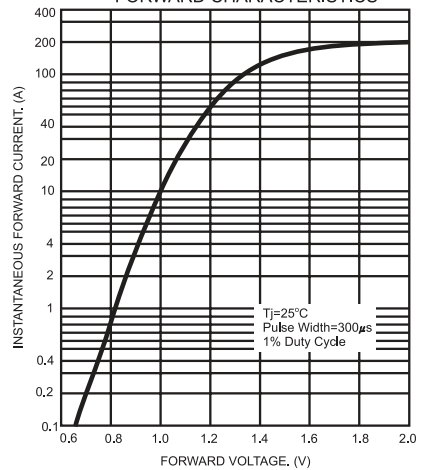
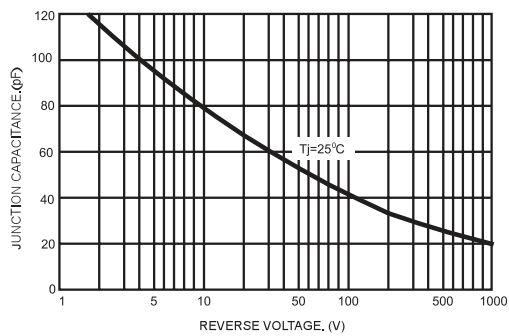


FIG.4- TYPICAL JUNCTION CAPACITANCE



Taiwan Semiconductor Co. LTD

Part No : GPA1601 – GPA1607

[illegible]

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