



Micro Commercial Components



Micro Commercial Components
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GPA801
thru
GPA807

Features

- Low Forward Voltage Drop
High Current Capability
High Reliability
High Surge Current Capability
Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

Maximum Ratings

- Mounting Torque: 5 in-lbs Maximum
Operating Temperature: -65°C to +150°C
Storage Temperature: -65°C to +150°C
Maximum Thermal Resistance; 2.5°C/W Junction To Case

Table with 5 columns: MCC Part Number, Device Marking, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Rows include GPA801 through GPA807.

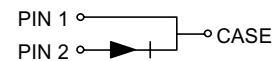
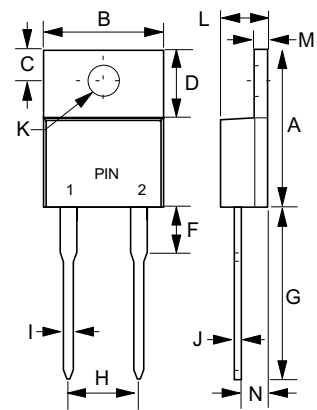
Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, Conditions. Rows include Average Forward Current, Peak Forward Surge Current, Maximum Instantaneous Forward Voltage, Maximum DC Reverse Current At Rated DC Blocking Voltage, Typical Junction Capacitance.

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

8 Amp
Glass Passivated
Rectifier

TO-220AC



DIMENSIONS

Table with 6 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Rows include dimensions A through N.

GPA801 THRU GPA807

RATINGS AND CHARACTERISTIC CURVES

FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

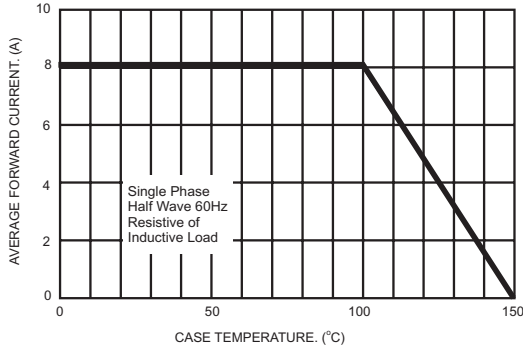


FIG.2- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

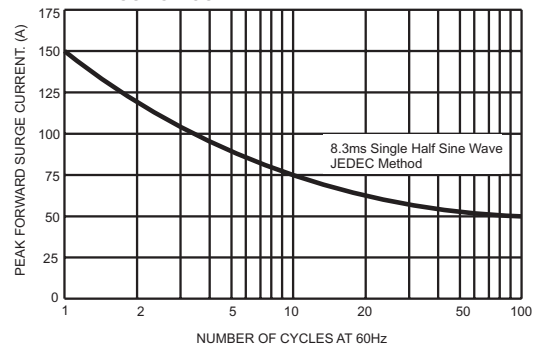


FIG.3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

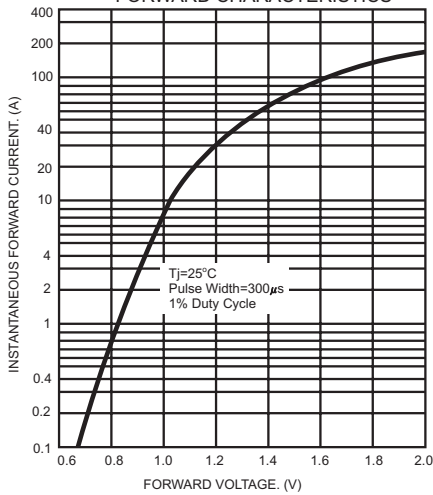


FIG.4- TYPICAL REVERSE CHARACTERISTICS

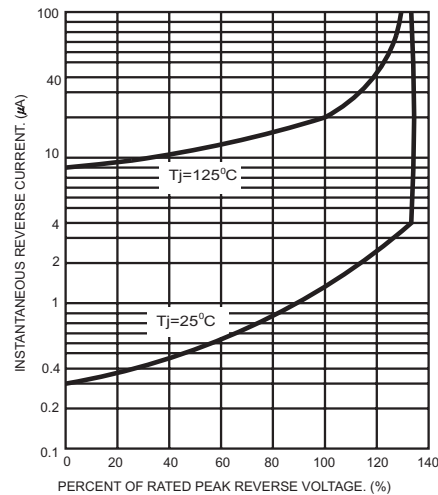
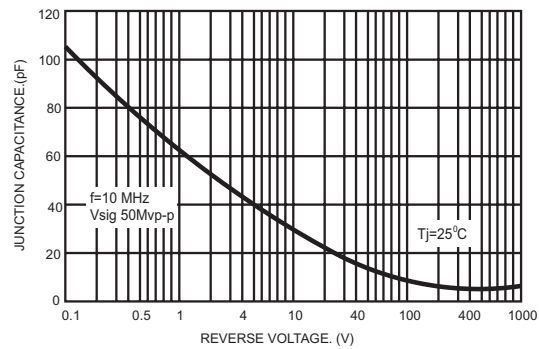


FIG.5- TYPICAL JUNCTION CAPACITANCE





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Ordering Information

Device	Packing
(Part Number)-BP	Bulk;1Kpcs/Box

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