



Micro Commercial Components



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HER101
THRU
HER108

Features

- Halogen free available upon request by adding suffix "-HF"
High Surge Current Capability
Low Forward Voltage Drop
Lead Free Finish/RoHS Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

Maximum Ratings

Operating Temperature: -55°C to +125°C
Storage Temperature: -55°C to +150°C
For capacitive load, derate current by 20%

Table with 5 columns: MCC Catalog Number, Device Marking, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Rows include HER101 through HER108.

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, Reverse Current At Rated DC Blocking Voltage, Maximum Reverse Recovery Time, and Typical Junction Capacitance.

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

1.0 Amp High
Efficient Rectifiers
50 to 1000 Volts

DO-41

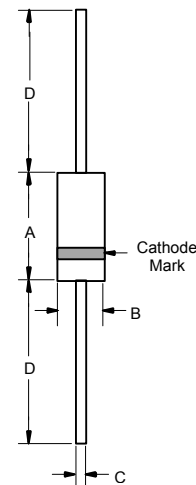


Table titled DIMENSIONS with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows A, B, C, D.

HER101 THRU HER108

RATINGS AND CHARACTERISTIC CURVES

FIG.1- REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM

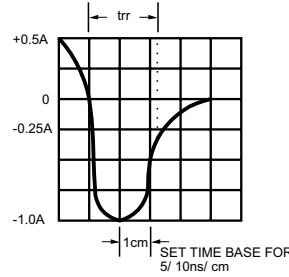
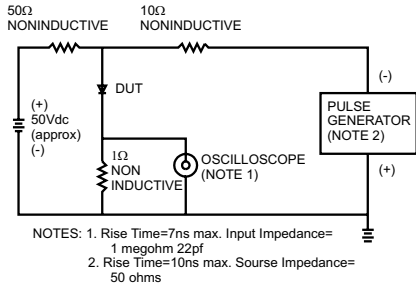


FIG.2- MAXIMUM AVERAGE FORWARD CURRENT DERATING

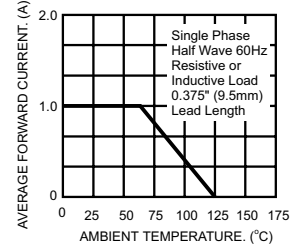


FIG.3- TYPICAL REVERSE CHARACTERISTICS

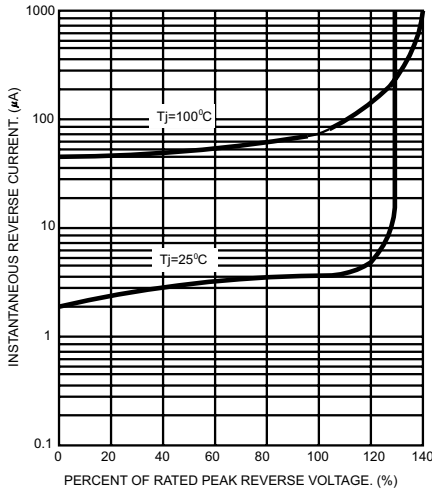


FIG.4- TYPICAL FORWARD CHARACTERISTICS

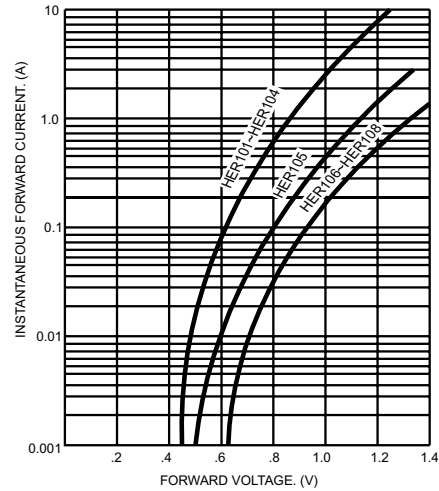


FIG.5- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

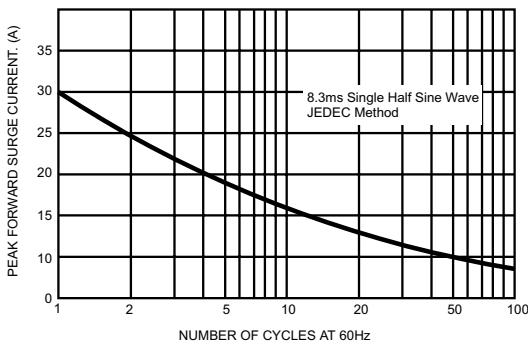
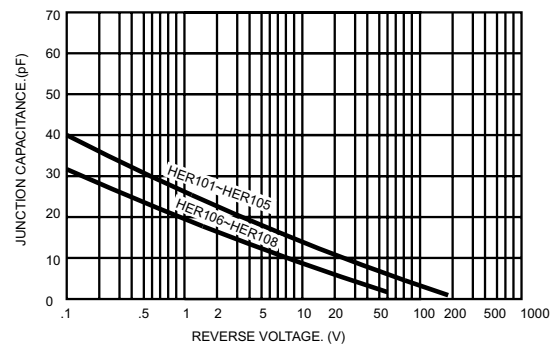


FIG.6- TYPICAL JUNCTION CAPACITANCE





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Ordering Information :

| Device | Packing |
|----------------|------------------------------|
| Part Number-TP | Tape&Reel: 5Kpcs/Reel |
| Part Number-AP | Ammo Packing: 5Kpcs/Ammo Box |
| Part Number-BP | Bulk: 50Kpcs/Carton |

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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