



Micro Commercial Components



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HER501
Thru
HER508

Features

- Halogen free available upon request by adding suffix "-HF"
Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates
RoHS Compliant. See ordering information)
Low forward voltage drop
High reliability and High surge current capability
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

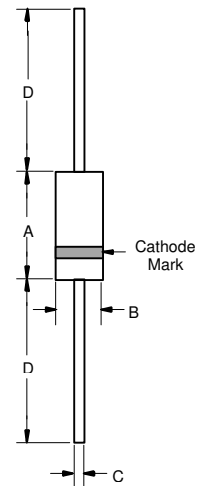
Maximum Ratings

- Operating Temperature: -65°C to +150°C
Storage Temperature: -65°C to +150°C
Typical Thermal Resistance: 30°C/W Junction To Lead

5.0 Amp High
Efficient Rectifiers
50 to 1000 Volts

Table with 5 columns: MCC Part Number, Device Marking, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Rows include HER501 through HER508.

DO-201AD



Electrical Characteristics @ 25°C Unless Otherwise Specified

Table of electrical characteristics including Average Forward Current (5.0A), Peak Forward Surge Current (200A), Maximum Instantaneous Forward Voltage (1.0V to 1.7V), Maximum DC Reverse Current (10uA), Maximum Reverse Recovery Time (50ns to 75ns), and Typical Junction Capacitance (100pF to 65pF).

Table titled DIMENSIONS showing MIN and MAX values in INCHES and MM for dimensions A, B, C, and D.

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

HER501 THRU HER508

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

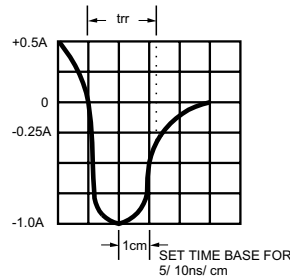
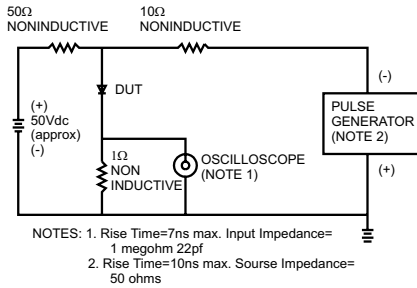


FIG.2- MAXIMUM AVERAGE FORWARD CURRENT DERATING

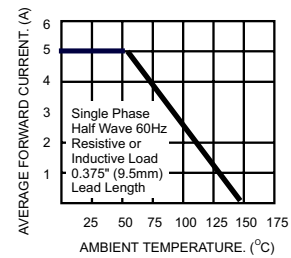


FIG.3- TYPICAL REVERSE CHARACTERISTICS

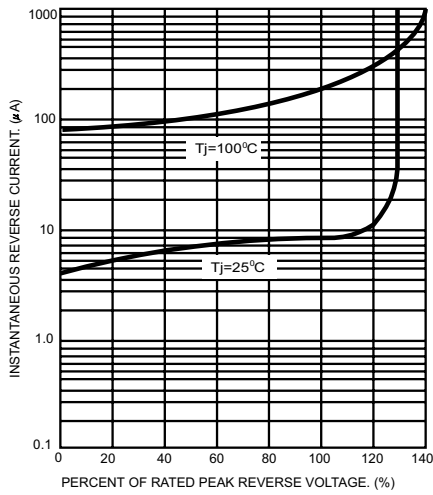


FIG.5- TYPICAL FORWARD CHARACTERISTICS

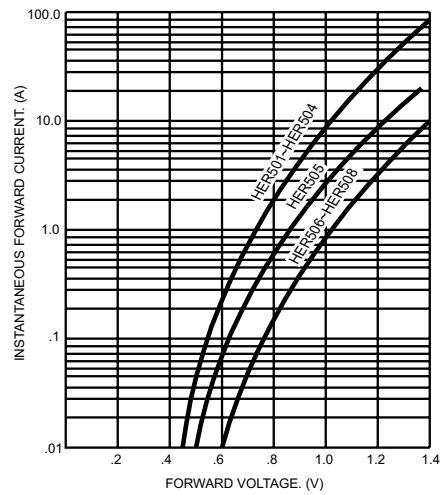


FIG.4- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

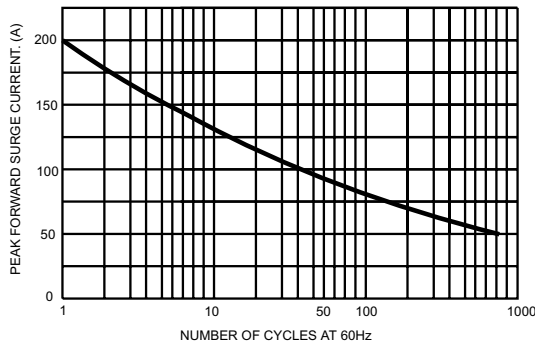
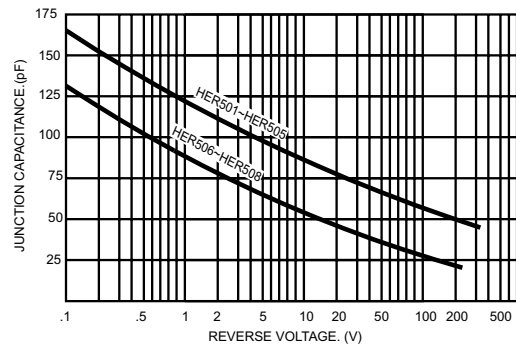


FIG.6- TYPICAL JUNCTION CAPACITANCE





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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 1.2Kpcs/Reel
Part Number-AP	Ammo Packing: 1.2Kpcs/Ammo Box
Part Number-BP	Bulk: 12Kpcs/Carton

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

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