



Micro Commercial Components



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1N5400
THRU
1N5408

3 Amp Rectifier
50 - 1000 Volts

Features

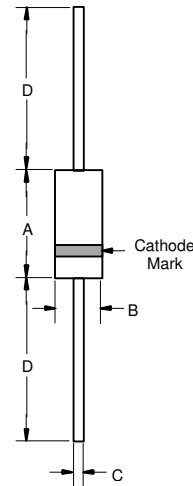
- Halogen free available upon request by adding suffix "-HF"
Low Current Leakage and Low Forward Voltage
Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -55°C to +150°C
Storage Temperature: -55°C to +150°C
Maximum Thermal Resistance; 30°C/W Junction To Lead

Table with 5 columns: MCC Catalog Number, Device Marking, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Rows include 1N5400 through 1N5408.

DO-201AD



Electrical Characteristics @25°C Unless Otherwise Specified

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

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

Table with 6 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows include dimensions A, B, C, and D.

Figure 1  
Typical Forward Characteristics

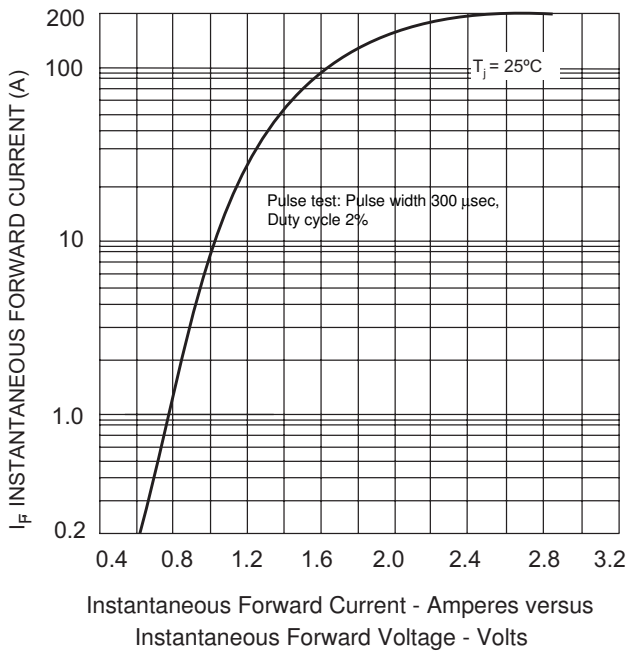


Figure 2  
Forward Derating Curve

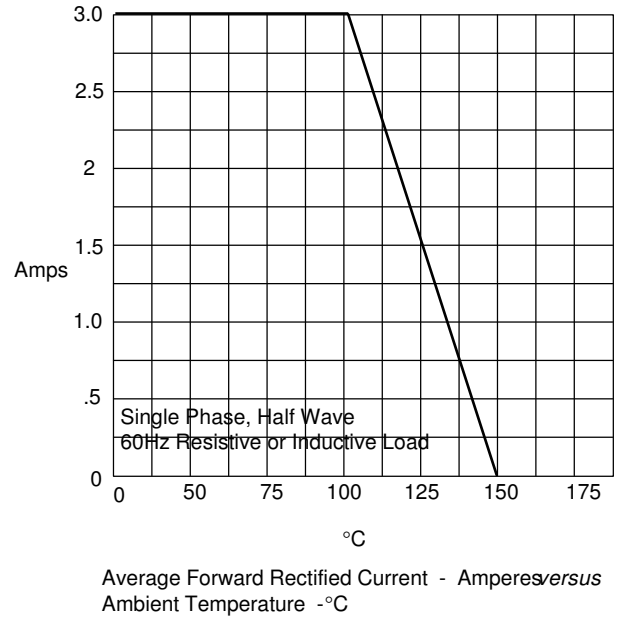


Figure 3  
Junction Capacitance

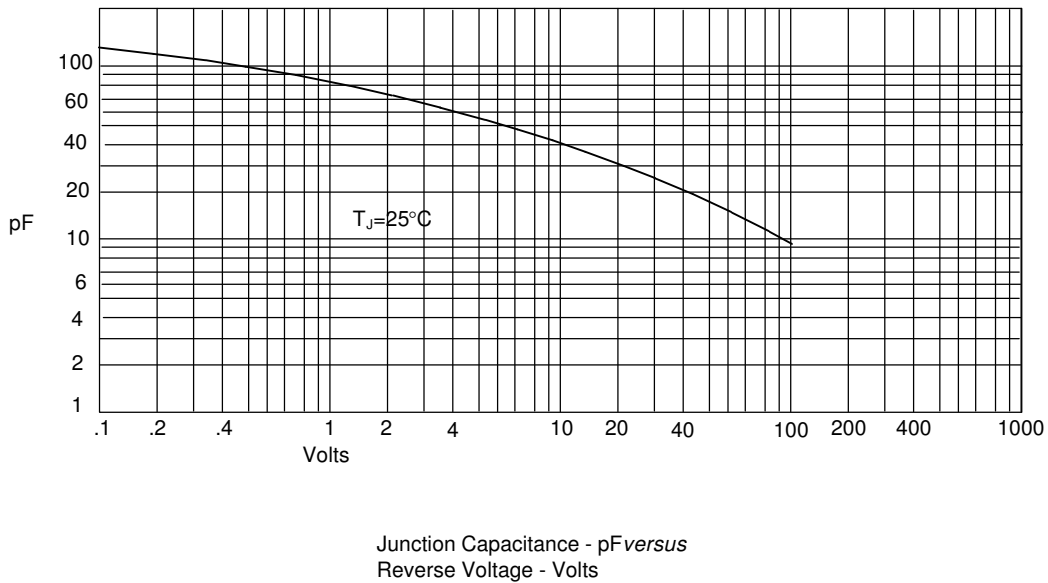
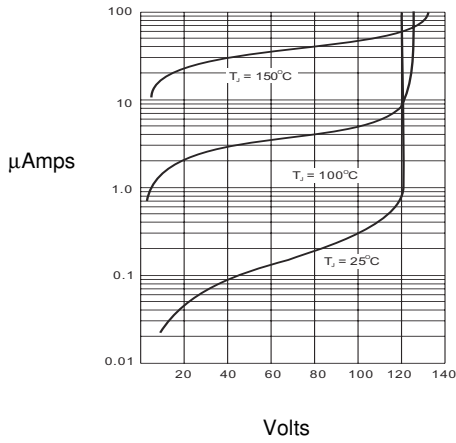
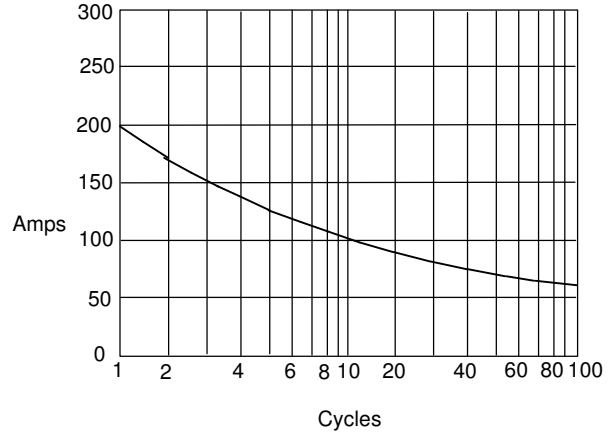


Figure 4  
 Typical Reverse Characteristics



Instantaneous Reverse Leakage Current - MicroAmperes *versus*  
 Percent Of Rated Peak Reverse Voltage - Volts

Figure 5  
 Peak Forward Surge Current



Peak Forward Surge Current - Amperes *versus*  
 Number Of Cycles At 60Hz - Cycles



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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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