

Micro Commercial Components



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- 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)
- High Current Capability and Low Current Leakage
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- **Glass Passivated Junction**

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

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
1N5400GP	1N5400GP	<u> </u>	35V	50V
1N5401GP	1N5401GP	100V	70V	100V
1N5402GP	1N5402GP	200V	140V	200V
1N5404GP	1N5404GP	400V	280V	400V
1N5406GP	1N5406GP	600V	420V	600V
1N5407GP	1N5407GP	800V	560V	800V
1N5408GP	1N5408GP	1000V	700V	1000V

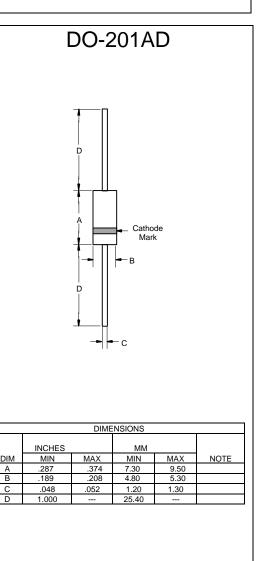
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	3.0A	T _A = 105°C
Peak Forward Surge Current	I _{FSM}	200A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V _F	1.1V	$I_{FM} = 3.0A;$ $T_J = 25^{\circ}C^{*}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5.0μΑ 50μΑ	T _J = 25°C T _J = 125°C
Typical Junction Capacitance	CJ	40pF	Measured at 1.0MHz, V _R =4.0V

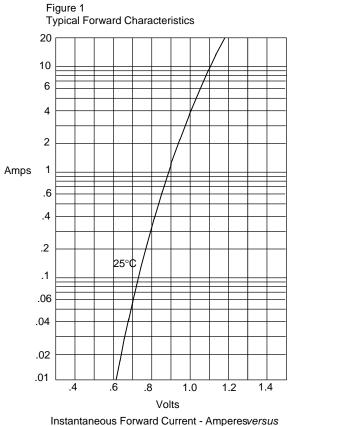
Notes:1.High Temperature Solder Exemption Applied, see EU Directive Annex 7.

1N5400GP THRU 1N5408GP

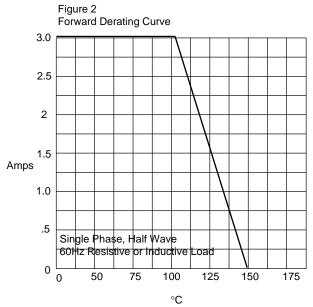
3 Amp Glass **Passivated Rectifier** 50 - 1000 Volts



1N5400GP thru 1N5408GP



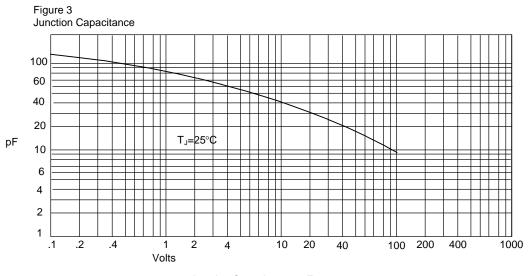
Instantaneous Forward Voltage - Volts



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Average Forward Rectified Current - Amperes/ersus Ambient Temperature -°C

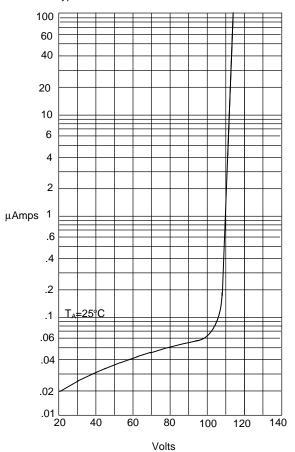


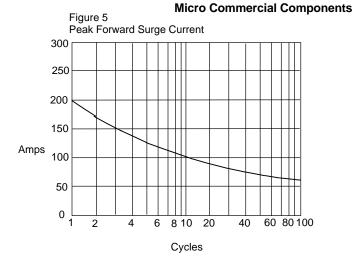
Junction Capacitance - pF*versus* Reverse Voltage - Volts

1N5400GP thru 1N5408GP



Figure 4 Typical Reverse Characteristics





Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles

Instantaneous Reverse Leakage Current - MicroAmperesversus Percent Of Rated Peak Reverse Voltage - Volts



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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