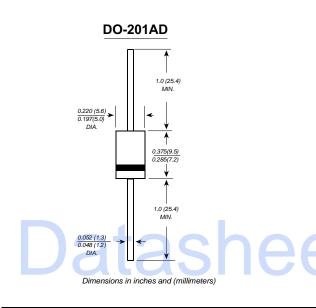
Data Sheet 2568, Rev. -

# 1N5400G THRU 1N5408G

# **GLASS PASSIVATED SILICON RECTIFIER**

Reverse Voltage - 50 to 1000 Volts Forward Current - 3.0 Amperes



#### **FEATURES**

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- ► Low reverse leakage
- High forward surge current capability
- High temperature soldering guaranteed: 250°C/10 seconds,0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension

## **MECHANICAL DATA**

Case: JEDEC DO-201AD molded plastic body

Terminals: Plated axial leads, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.04 ounce, 1.10 grams

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz,resistive or inductive load,for capacitive load current derate by 20%.

	SYMBOLS	1N 5400G	1N 5401G	1N 5402G	1N 5403G	1N 5404G	1N 5405G	1N 5406G	1N 5407G	1N 5408G	UNITS
Maximum repetitive peak reverse voltage	V <sub>RRM</sub>	50	100	200	300	400	500	600	800	1000	VOLTS
Maximum RMS voltage	V <sub>RMS</sub>	35	70	140	210	280	350	420	560	700	VOLTS
Maximum DC blocking voltage	V <sub>DC</sub>	50	100	200	300	400	500	600	800	1000	VOLTS
Maximum average forward rectified current 0.375"(9.5mm) lead length at Ta=75℃	l(AV)	3.0									Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	200								Amps	
Maximum instantaneous forward voltage at 3.0A	VF	1.2									Volts
Maximum DC reverse current Ta=25℃ at rated DC blocking voltage Ta=100℃	lr	5.0 100								μА	
Typical junction capacitance (NOTE 1)	Сл	30.0								pF	
Typical thermal resistance (NOTE 2)	Ruja		20.0								°C/W
Operating junction and storage temperature range	T <sub>J</sub> ,T <sub>STG</sub>	-65 to +175								°C	

Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

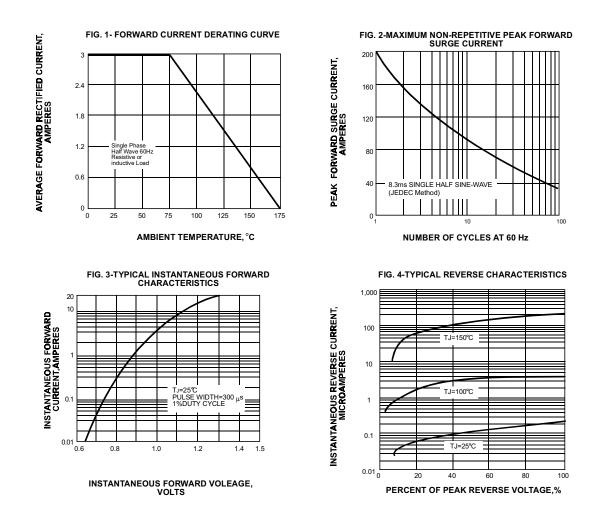
2.Thermal resistance from junction to ambient at 0.375" (9.5mm)lead length, P.C.B. mounted

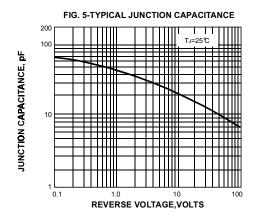
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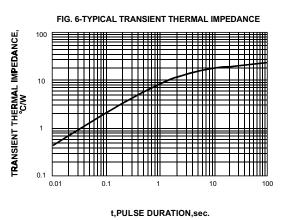
World Wide Web Site - http://www.sensitron.com • E-Mail Address - sales@sensitron.com •

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## **RATINGS AND CHARACTERISTIC CURVES 1N5400G THRU 1N5408G**







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