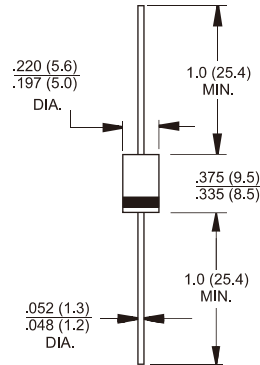


1N5400G - 1N5408G

3.0 AMPS. Glass Passivated Rectifiers

DO-201AD



Features

- ✧ Glass passivated chip junction.
- ✧ High efficiency, Low VF
- ✧ High current capability
- ✧ High reliability
- ✧ High surge current capability
- ✧ Low power loss
- ✧ Green compound with suffix "G" on packing code & prefix "G" on datecode.

Mechanical Data

- ✧ Cases: Molded plastic
- ✧ Epoxy: UL 94V-0 rate flame retardant
- ✧ Lead: Pure tin plated, lead free., solderable per MIL-STD-202, Method 208 guaranteed
- ✧ Polarity: Color band denotes cathode
- ✧ High temperature soldering guaranteed: 260°C /10 seconds/.375", (9.5mm) lead lengths at 5 lbs., (2.3kg) tension
- ✧ Weight: 1.2 grams

Dimensions in inches and (millimeters)

Marking Diagram



1N540XG = Specific Device Code
G = Green Compound
Y = Year
WW = Work Week

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Type Number	Symbol	1N 5400G	1N 5401G	1N 5402G	1N 5404G	1N 5406G	1N 5407G	1N 5408G	Units
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length @TA = 75 °C	IF(AV)	3.0							A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	IFSM	125							A
Maximum Instantaneous Forward Voltage @3.0A	VF	1.1		1.0					V
Maximum DC Reverse Current at @ TA=25 °C Rated DC Blocking Voltage (Note 1) @ TA=125 °C	IR	5.0 100							uA uA
Typical Junction Capacitance (Note3)	Cj	25							pF
Typical Thermal Resistance (Note 2)	RθJA RθJC	45 15							°C/W
Operating and Storage Temperature Range	TJ,TSTG	- 65 to + 150							°C

Notes: 1. Pulse Test with PW=300 usec, 1% Duty Cycle
2. Mount on Cu-Pad size 16mm x 16mm on P.C.B.
3. Measured at 1 MHz and Applied Reverse Voltage of 4.0 Volts D.C.

Version: E10

RATINGS AND CHARACTERISTIC CURVES (1N5400G THRU 1N5408G)

