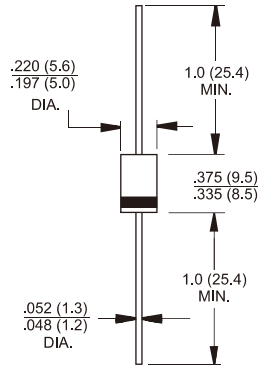


1N5400G - 1N5408G

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	1N	1N	1N	1N	1N	1N	Units
		5400G	5401G	5402G	5404G	5406G	5407G	5408G	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length @T _A = 75°C	I _{F(AV)}	3.0							A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	125							A
Maximum Instantaneous Forward Voltage @3.0A	V _F	1.1	1.0						V
Maximum DC Reverse Current at Rated DC Blocking Voltage (Note 1) @ T _A =25°C	I _R	5.0							uA
		100							uA
Typical Junction Capacitance (Note3)	C _j	25							pF
Typical Thermal Resistance (Note 2)	R _{θJA} R _{θJC}	45 15							°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	- 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.

RATINGS AND CHARACTERISTIC CURVES (1N5400G THRU 1N5408G)

