



1N5400G THRU 1N5408G

Glass Passivated Rectifiers

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

Features

- Low cost
- Low reverse leakage current
- Low forward voltage drop
- High surge capacity
- Meet UL flammability classification 94V-0
- AEC-Q101 qualified

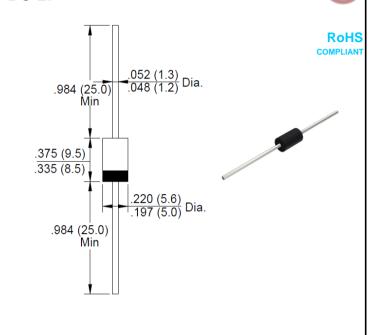
Mechanical Data

- Case: JEDEC DO-27 molded plastic
- Polarity: Color band denotes cathode
- Mounting position: Any

Applications

 For use in low voltage, high frequency inverters, polarity protection applications

DO-27



Package Outline Dimensions in Inches (Millimeters)

Maximum Ratings and Electrical Characteristics

Rating at 25 °C ambient temperature unless otherwise specified.

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

For capacitive load, derate current by 20%.

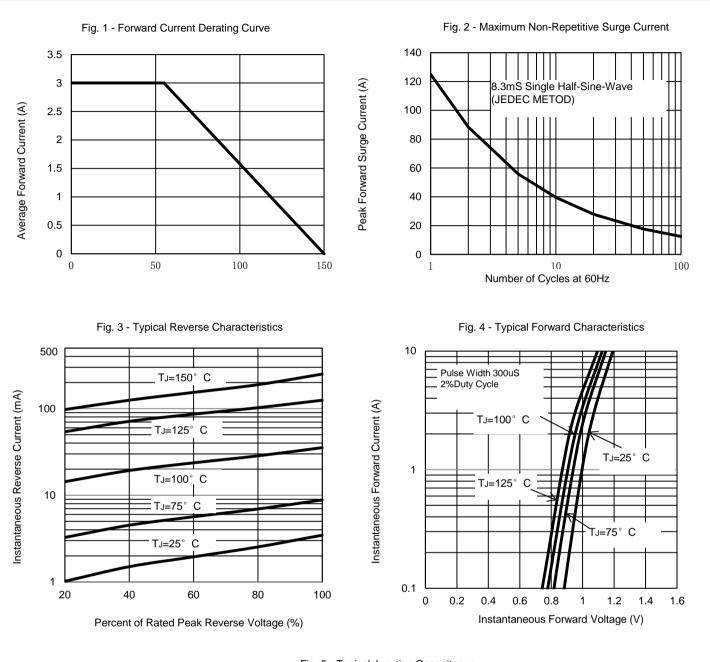
Symbol	1N	1N	1N	1N	1N	1N	1N	1N	1N	Unit
	5400G	5401G	5402G	5403G	5404G	5405G	5406G	5407G	5408G	
VRRM	50	100	200	300	400	500	600	800	1000	V
VRMS	35	70	140	210	280	350	420	560	700	V
VDC	50	100	200	300	400	500	600	800	1000	V
I(AV)	3.0								Α	
Ison	125									А
IFSM										
l ² t	64.8								A^2s	
VF	1.1								V	
ls.	5.0 200									μА
IK										
Сл	50 35							pF		
Reja	15								°C/W	
TJ	-55 to +150								$^{\circ}$	
Tstg	-55 to +150								$^{\circ}$	
	VRRM VRMS VDC I(AV) IFSM I ² t VF IR CJ Reja TJ	Symbol 5400G VRRM 50 VRMS 35 VDC 50 I(AV) IFSM I²t VF IR CJ Reja TJ	Symbol 5400G 5401G VRRM 50 100 VRMS 35 70 VDC 50 100 I(AV) IFSM I ² t VF IR CJ RejA TJ	Symbol 5400G 5401G 5402G VRRM 50 100 200 VRMS 35 70 140 VDC 50 100 200 I(AV) IFSM I²t VF IR CJ E Rejaa TJ	Symbol 5400G 5401G 5402G 5403G VRRM 50 100 200 300 VRMS 35 70 140 210 VDC 50 100 200 300 I(AV) IFSM 4	Symbol 5400G 5401G 5402G 5403G 5404G VRRM 50 100 200 300 400 VRMS 35 70 140 210 280 VDC 50 100 200 300 400 I(AV) 3.0 IFSM 125 I** 64.8 VF 1.1 IR 5.0 200 CJ 50 ReJA 15 TJ -55 to +15	Symbol 5400G 5401G 5402G 5403G 5404G 5405G VRRM 50 100 200 300 400 500 VRMS 35 70 140 210 280 350 VDC 50 100 200 300 400 500 I(AV) 3.0 3.0 400 500 IFSM 125 64.8 VF 1.1 5.0 200 200 200 CJ 50 50 RØJA 15 -55 to +150	Symbol 5400G 5401G 5402G 5403G 5404G 5405G 5406G VRRM 50 100 200 300 400 500 600 VRMS 35 70 140 210 280 350 420 VDC 50 100 200 300 400 500 600 I(AV) 3.0 125 420 <t< td=""><td>Symbol 5400G 5401G 5402G 5403G 5404G 5405G 5406G 5407G VRRM 50 100 200 300 400 500 600 800 VRMS 35 70 140 210 280 350 420 560 VDC 50 100 200 300 400 500 600 800 I(AV) 3.0 125 420 560 800</td><td>Symbol 5400G 5401G 5402G 5403G 5404G 5405G 5406G 5407G 5408G VRRM 50 100 200 300 400 500 600 800 1000 VRMS 35 70 140 210 280 350 420 560 700 VDC 50 100 200 300 400 500 600 800 1000 I(AV) 3.0 400 500 600 800 1000 IFSM 125 464.8</td></t<>	Symbol 5400G 5401G 5402G 5403G 5404G 5405G 5406G 5407G VRRM 50 100 200 300 400 500 600 800 VRMS 35 70 140 210 280 350 420 560 VDC 50 100 200 300 400 500 600 800 I(AV) 3.0 125 420 560 800	Symbol 5400G 5401G 5402G 5403G 5404G 5405G 5406G 5407G 5408G VRRM 50 100 200 300 400 500 600 800 1000 VRMS 35 70 140 210 280 350 420 560 700 VDC 50 100 200 300 400 500 600 800 1000 I(AV) 3.0 400 500 600 800 1000 IFSM 125 464.8

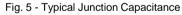
Notes: 1. 300uS pulse width, 2%duty cycle.

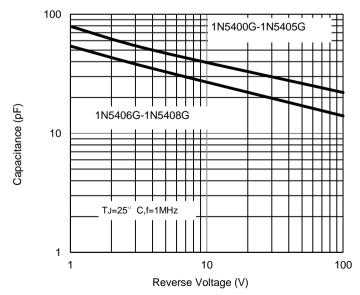
- 2. Measured at 1.0 MHz and applied reverse voltage of 4.0V DC.
- 3. The typical data above is for reference only .

1N540*G-A-00-A001 Rev. 10, 1-Nov-2019









The curve above is for reference only.

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