

Green Products

1N5400G-1N5408G GENERAL PURPOSE PLASTIC RECTIFIER

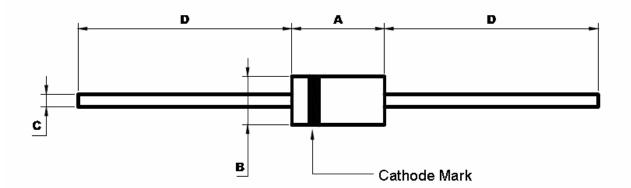
Features:

- 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:
- This is a Pb Free Device
- All SMC parts are traceable to the wafer lot
- · Additional testing can be offered upon request

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: 1.1 gram

Mechanical Dimensions: In mm



DIMENSIONS									
DIM	INCHES		M	NOTE					
	MIN	MAX	MIN	MAX	NOTE				
Α	0.335	0.374	8.50	9.50					
В	0.197	0.220	5.00	5.60	Ф				
С	0.048	0.052	1.20	1.30	Ф				
D	1.000		25.40						

DO-201AD

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Marking Diagram:

Where XXXXX is YYWWL



 1N5400G
 = Part Name

 SSG
 = SSG

 YY
 = Year

 WW
 = Week

 L
 = Lot Number

Cautions: Molding resin

Epoxy resin UL:94V-0

Ordering Information

Device	Package	Shipping
4NE 400C 4NE 400C	DO-201AD	1250 pec / Tope
1N5400G-1N5408G	(Pb-Free)	1250 pcs / Tape

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specification.

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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%.

PARAMETER	SYMBOL	1N5400G	1N5401G	1N5402G	1 N5 403G	1N5404G	1N5405 G	1N5406 G	1N5407G	1N5408G	UNIT
Maximum repetitive peak reverse voltage		50	100	200	300	400	500	600	800	1000	VOLTS
Maximum RMS voltage		35	70	140	210	280	350	420	560	700	VOLTS
Maximum DC blocking voltage		50	100	200	300	400	500	600	800	1000	VOLTS
Maximum average forward rectified current 0.375"(9.5mm) lead length at TA=75°C		3.0							Amp		
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)		200							Amps		
Maximum instantaneous forward voltage at 3.0A		1.1							Volts		
Maximum DC reverse current TA=25 °C at rated DC blocking voltage TA=100 °C		5.0 100						μА			
Typical junction capacitance (NOTE 1)		30.0						pF			
Typical thermal resistance (NOTE 2)		20.0						CW			
Operating junction and storage temperature range		-65 to +150						Ú.			

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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FIG. 1- FORWARD CURRENT DERATING CURVE

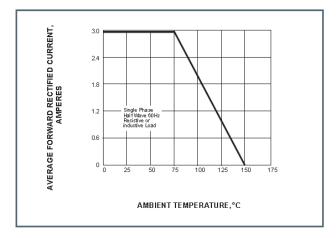


FIG. 3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

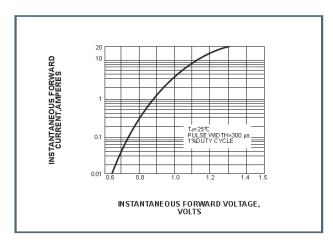


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

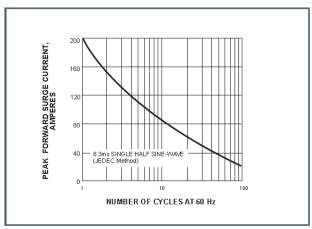
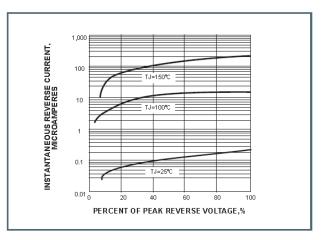


FIG. 4-TYPICAL REVERSE CHARACTERISTICS



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Technical Data Data Sheet N1631, Rev. - **Green Products**

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