



1N5406G-1N5408G(LS)

GLASS PASSIVATED RECTIFIER	REVERSE VOLTAGE – 600 to 1000 Volts FORWARD CURRENT – 3.0 Amperes			
FEATURES • Glass passivated chip • Low reverse leakage current • Low forward voltage drop • High current capability • Plastic material has UL flammability classification 94V-0 • Lead-Free Finish; RoHS Compliant (Notes 1 & 2) • Halogen and Antimony Free. "Green" Device (Note 3)				
MECHANICAL DATA	DO-201AD			
 Case : JEDEC DO-201AD molded plastic Polarity : Color band denotes cathode 	Dim Min. Max.			
Weight : 0.04 ounces, 1.1 grams	A 25.4			
Mounting position : Any	B 7.30 9.50			
	C 1.20 1.30			
	D 4.80 5.30			

All Dimensions in millimeter

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

PARAMETER		SYMBOL	1N5406G	1N5407G	1N5408G	UNIT
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	600	800	1000	V
Maximum RMS Voltage		V _{RMS}	420	560	700	V
Maximum DC Blocking Voltage		Vdc	600	800	1000	V
Maximum Average Forward Rectified Current	@T _A =55°C	I _(AV)		3.0		А
Peak Forward Surge Current 8.3ms single half sine super imposed on rated load (JEDEC METHOD)	-wave	I _{FSM}		125		А
I ² t Rating for fusing (3ms≦t ≦8.3ms)		l ² t	65			A ² S
Maximum forward Voltage at 3.0A DC		VF		1.1		V
Maximum DC Reverse Current at Rated DC Blocking Voltage	@T _J =25°C @T _J =125°C	IR	5 100			uA
Typical Junction Capacitance (Note 4)		Ст		40		pF
Typical Thermal Resistance (Note 5)		R _{thJA} R _{thJL} R _{thJC}		22 10 6		°C/W
Operating and storage temperature range		T_J , T_{STG}		-55 to +150		°C
ote :					REV-10, Oct-202	1, KDDF01

1. EU Directive 2002/95/EC (RoHS), 2011/65/EU (RoHS 2) & 2015/863/EU (RoHS 3) compliant. All applicable RoHS exemptions applied.

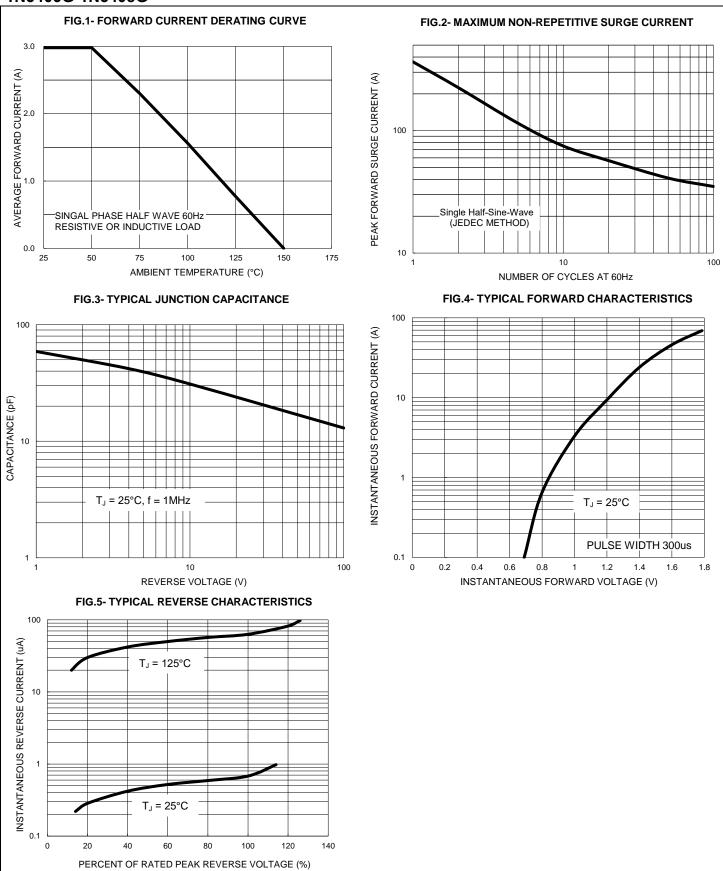
See https://www.diodes.com/quality/lead-free/ for more information about Diodes Incorporated's definitions of Halogen- and Antimony-free, "Green" and Lead-free.
 Halogen- and Antimony-free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony

compounds.

4. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

5. Thermal Resistance Junction to Ambient, Lead and Case.

RATING AND CHARACTERISTIC CURVES 1N5406G-1N5408G

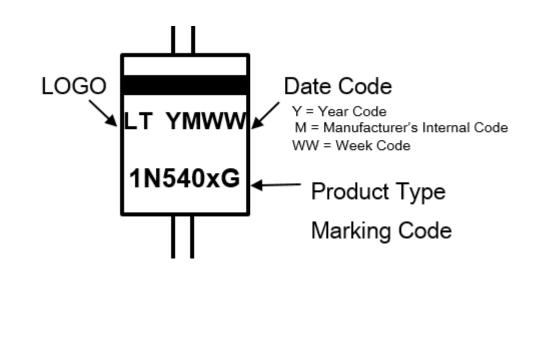




Ordering Information :

Part Number	Case	Packaging
1N5406G_HF	DO-201AD	1200pcs/Reel
1N5407G_HF	DO-201AD	1200pcs/Reel
1N5408G_HF	DO-201AD	1200pcs/Reel

Marking Information :





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