

NaLA[®] N75HP429-1631

Product Specification For Inductive Differential Mode Choke Components



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Mechanical Specification

Part Number:

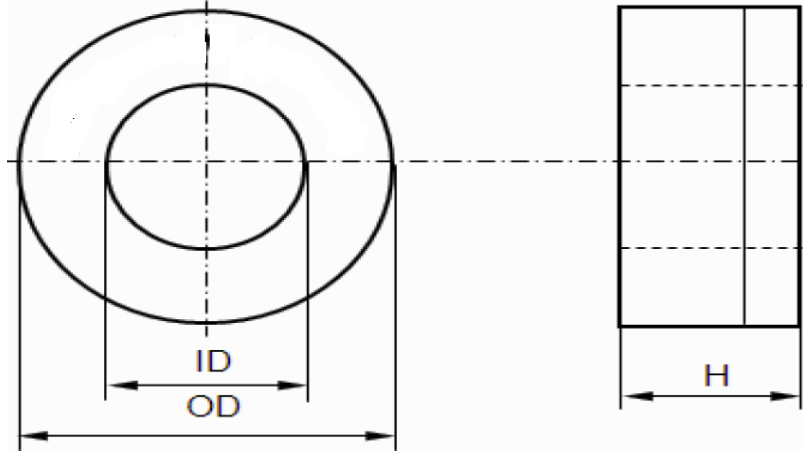
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Nominal Core Dimensions:

3.94 x 3.15 x 1.18 inch
(100 x 80 x 30 mm)

Finished Core Dimensions:

OD ≤ 4.13 inch (105.0 mm)
ID ≥ 2.95 inch (75.0mm)
H ≤ 1.38inch (35.0 mm)



$$\ell_E = 28.16 \text{ cm} \quad A_E = 2.25 \text{ cm}^2$$

Curie Temp = 1,112°F (600 °C)

RTI Temp (0.81) = 248°F (120°C)

Core Material: Nanoperm[®]

Marking: N75HP429-1631

Notes:

Packing: 4 pc per layer, 3 layers/box; Box Quantity = 12 pcs

Electrical Core Performance

Permeability @ frequency = 10 KHz and H_{peak} = 3.0 mA/cm ~60,000

Inspection Value	Measured Value	Measurement Limits	Frequency	L _{eff} * N (mA*turn)
	A _ε (μH/N ²)	42.4 - 84.3	10 KHz	50
	A _ε (μH/N ²)	14.5 min	100 KHz	50

Core Finishing

Type:	BLUE Case	Case material:	Zytel FR70G25 V0 NNC10 with RAL 5012 Blue Pigment
Case UL file Number:	E41938	Voltage Breakdown:	2,500 volts rms between two copper wires on the core

Certification

MH&W International certifies that the manufacturing and the quality process meet all requirements of IEC Part 1: General Specification for "Fixed Inductors For Electromagnetic Interference Suppression", IEC 60938-1:1999 + A1:2006. This International Standard is used in lieu of requirements/documents pertaining to UL, CE, CSA, DIN and other individual agencies. The flame insulation rating meets UL-94V-0.

MH&W International certifies the product described herein is in compliance with the Directive 2011/65/EU of the European Parliament and of the council of 8 June, 2011 on the Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS2 Directive).

Revision #	DATE	Alteration	Drawing Approval	
2	8/17/2017	INITIAL ISSUE	Engineering:	K. Giles
			Sales:	B. Wilson
Drawing Number: N75HP429-1631				