

NaLA[®] N9HP1

Product Specification For Inductive Differential Mode Choke Components



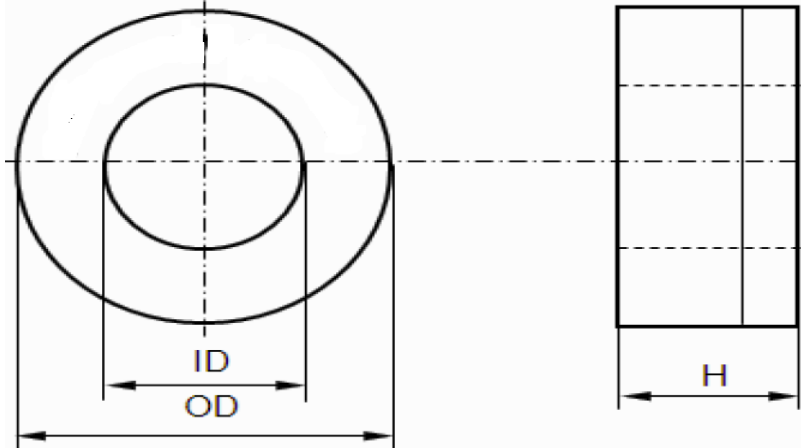
MH&W International Corp.

575 Corporate Drive Mahwah, NJ 07430 USA

Phone 201-252-8125 Email: coolblue@mhw-intl.com

Mechanical Specification

Part Number: N9HP1
Nominal Core Dimensions: 0.63 0.43 x 0.20 inch (16 x 11 x 5 mm)
Finished Core Dimensions: OD ≤ 0.724 inch (18.4 mm) ID ≥ 0.339 inch (8.6 mm) H ≤ 0.276 inch (7.0 mm)
$\ell_E = 4.14 \text{ cm}$ $A_E = 0.1 \text{ cm}^2$
Currie Temp = 1,112°F (600°C) RTI Temp (0.81) = 248°F (120°C)
Core Material: Nanoperm [®] Marking: N9HP1



Notes:

Packing: 110 pc per layer, 9 layers/box; Box Quantity = 990 pcs

Electrical Core Performance

Permeability @ frequency = 10 KHz and $H_{peak} = 3.4 \text{ mA/cm}$ ~90,000

Inspection Value	Measured Value	Measurement Limits	Frequency	$L_{eff} * N \text{ (mA*turn)}$
	$A_e \text{ (}\mu\text{H/N}^2\text{)}$	18.4 - 36.8	10 KHz	10
	$A_e \text{ (}\mu\text{H/N}^2\text{)}$	4.6 min	100 KHz	10

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: N9HP1				