

NaLA[®] N29HP41-1Ø2BL

Product Specification For Inductive Differential Mode Choke Components



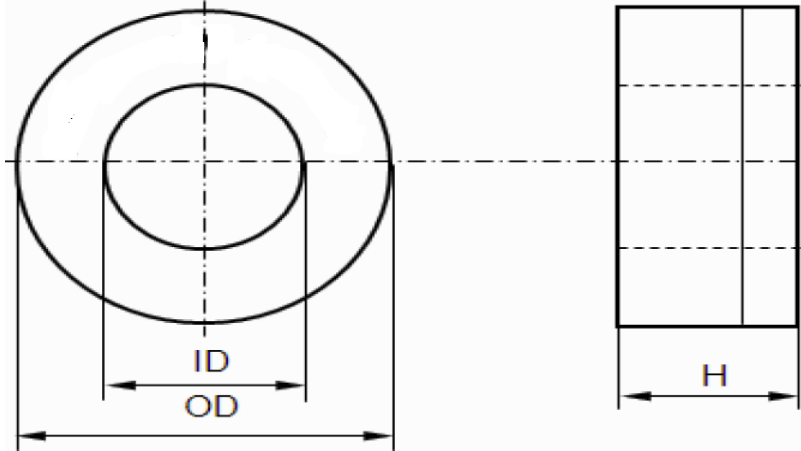
MH&W International Corp.

575 Corporate Drive Mahwah, NJ 07430 USA

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

Mechanical Specification

| |
|--|
| Part Number: N29HP41-1Ø2BL |
| Nominal Core Dimensions: 1.57 X 1.26 X 0.59 inch (40 x 32 x 15 mm) |
| Finished Core Dimensions: OD ≤ 1.70 inch (43.1 mm) ID ≥ 1.13 inch (28.8 mm) H ≤ 0.69 inch (17.4 mm) |
| $\ell_E = 11.26 \text{ cm}$ $A_E = 0.47 \text{ cm}^2$ |
| Currie Temp = 1,112°F (600°C) RTI Temp (0.81) = 248°F (120°C) |
| Core Material: Nanoperm [®] Marking: N29HP41-1Ø2BL |



Notes:

Packing: 24 pc per layer, 5 layers/box; Box Quantity = 120 pcs

Electrical Core Performance

Permeability @ frequency = 10 KHz and H_{peak} = 3.14 mA/cm ~90,000

| Inspection Value | Measured Value | Measurement Limits | Frequency | L _{eff} * N (mA*turn) |
|------------------|-------------------------------------|--------------------|-----------|--------------------------------|
| | A _ε (μH/N ²) | 33.0 - 66.0 | 10 KHz | 25 |
| | A _ε (μH/N ²) | 8.4 - 15.6 | 100 KHz | 25 |

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 | |
|-------------------------------|-----------|---------------|------------------|-----------|
| 4 | 8/17/2017 | INITIAL ISSUE | Engineering: | K. Giles |
| 5 | 8/14/2018 | NEW CASE | Sales: | B. Wilson |
| Drawing Number: N29HP41-1Ø2BL | | | | |