

NaLA[®] N18HP11-4Ø

Product Specification For Inductive Differential Mode Choke Components



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Mechanical Specification

Part Number:

N18HP11-4Ø

Nominal Core Dimensions:

1.18 X .079 X .39 inch
(30 x 20 x 10 mm)

Finished Core Dimensions:

OD ≤ 1.30 inch (32.9 mm)
ID ≥ 0.70 inch (17.7 mm)
H ≤ 0.50 inch (12.6 mm)

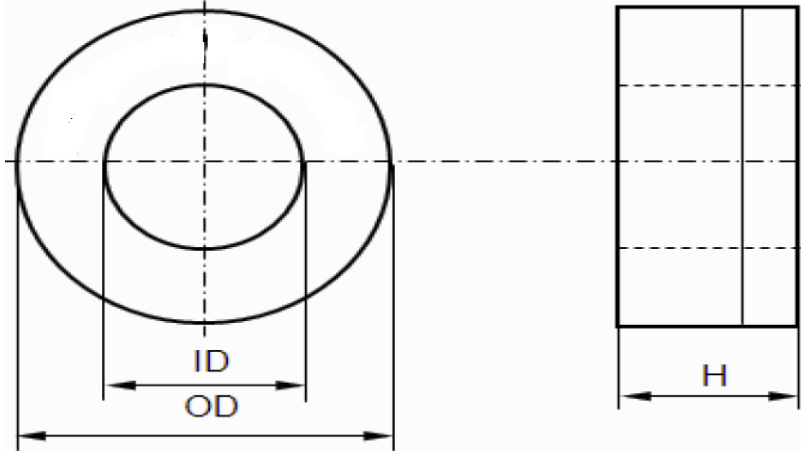
$\ell_E = 7.75 \text{ cm}$ $A_E = 0.38 \text{ cm}^2$

Currie Temp = 1,112°F (600°C)

RTI Temp (0.81) = 248°F (120°C)

Core Material: Nanoperm[®]

Marking: N18HP11-4Ø



Notes:

Packing: 35 pc per layer, 6 layers/box; Box Quantity = 210 pcs

Electrical Core Performance

Permeability @ frequency = 10 KHz and H_{peak} = 3.65 mA/cm ~90,000

| Inspection Value | Measured Value | Measurement Limits | Frequency | L _{eff} * N (mA*turn) |
|------------------|-------------------------------------|--------------------|-----------|--------------------------------|
| | A _e (μH/N ²) | 40 - 80 | 10 KHz | 20 |
| | A _e (μH/N ²) | 10.0 min | 100 KHz | 20 |

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 |
| | | | Sales: | B. Wilson |
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