

Product Specification For Inductive Differential Mode Choke Components



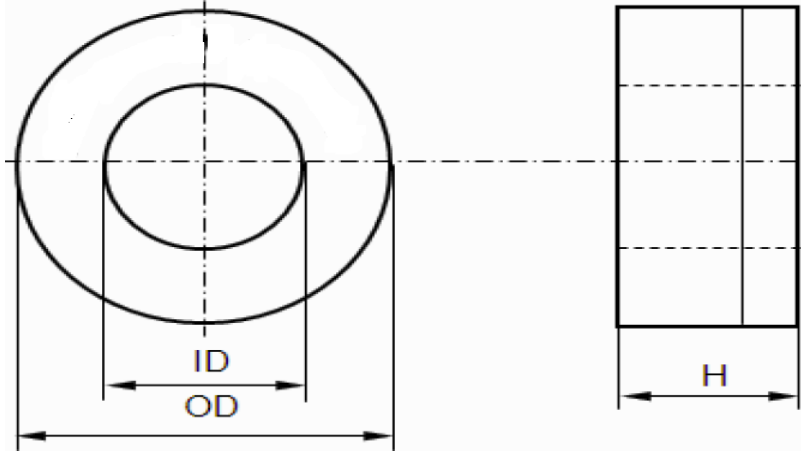
MH&W International Corp.

575 Corporate Drive Mahwah, NJ 07430 USA

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

Mechanical Specification

Part Number: 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: M 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 _g (μH/N ²)	40 - 80	10 KHz	20
	A _g (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
Drawing Number: N18HP11-4Ø				