N123HP1632+

Product Specification For Inductive Differential Mode Choke Components

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Mechanical Specification

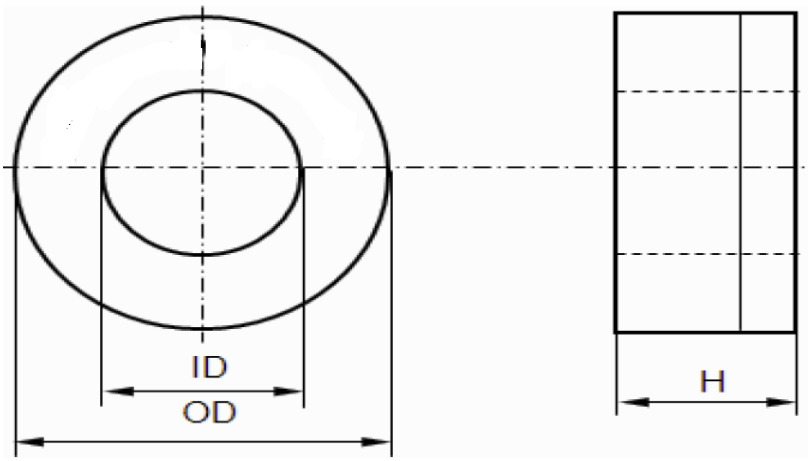
Part Number:
N123HP1632+

Nominal Core Dimensions:
6.30 x 5.12 s 1.18 inch
(160 x 130 x 30 mm)
Finished Core Dimensions:
OD ≤ 6.50 inch (165.0 mm)
ID ≥ 4.84 inch (123.0 mm)
H ≤ 1.34 inch (34.0 mm)

ℓ_E = 45.39 cm A_E = 3.24 cm²

Currie Temp = 1,112°F (600 °C)
RTI Temp (0.81) = 248°F (120°C)

Core Material: Nanoperm
Marking: N123HP1632+



Notes:
Packing: 1 pc per layer, 5 layers/box; Box Quantity = 5 pcs

Electrical Core Performance

Permeability @ frequency = 10 KHz and Hpeak = 3.0 mA/cm ~60,000

	Measured Value	Measurement Limits	Frequency	L_{eff} * N (mA*turn)
Inspection Value	A_ℓ (μH/N²)	37.7 - 75.3	10 KHz	96
	A_ℓ (μH/N²)	13.0 min	100 KHz	96

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: N123HP1632+