

M-614 NaLA®

Product Specification For Inductive Common Mode Choke Components

PS Index	02	Magnetec A/N	12533	Revision #	DATE	Alteration
PS Revision	02	Type:	E	01/01	2010/11/18	Initial issue
				02/02	2013/10/21	$\mu r \sim 60K$, 100KHz limit, no 50Hz inspection value
Core Material: Nanoperm®						

Mechanical Specification

Part Number: M-614

Nominal Core Dimensions:

3.94 x 3.15 x 1.18 inch
(100 x 80 x 30 mm)

Finished Core Dimensions:

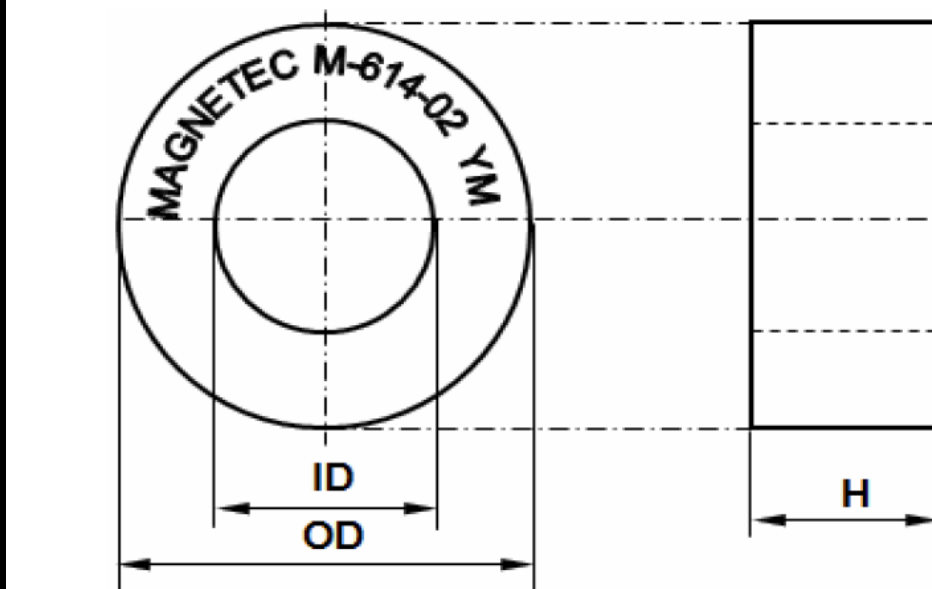
OD $\leq$ 4.13 inch (105 mm)
ID $\geq$ 2.95 inch (75 mm)
H $\leq$ 1.38 inch (35 mm)

$$\ell_E = 28.16 \text{ cm}$$

$$A_E = 2.25 \text{ cm}^2$$

Currie Temp = 1,112°F (600 °C)

RTI Temp (0.81) = 248°F (120°C)



Marking: M-614-02 YM: "-02" = Index; "YM" = Year/Month

Packing: 4 pc per layer, 3 layers/box; PU=12 pcs

Electrical Core Performance

Permeability @ frequency = 10 KHz and H = 3.0 mA/cm					~60,000
Inspection Value	Measured Value	Measurement Limits	Frequency	$L_{eff} * N \text{ (mA*turn)}$	
	$A_E \text{ (uH/N}^2\text{)}$	42.4 - 84.3	10 KHz	50	
	$A_E \text{ (uH/N}^2\text{)}$	14.5 min	100 KHz	50	

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

Magnetec GmbH certifies their manufacturing and quality processes meets 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.

Magnetec GmbH 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)

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