

M-613 NaLA®

Product Specification For Inductive Common Mode Choke Components

PS Index	02	Magnetec A/N	12659	Revision #	DATE	Alteration
PS Revision	01	Type:	E	01S/01	2007/08/08	sample w/ $\mu r \sim 45K@10KHz$
				02/01	2013/12/12	Initial issue $\mu r \sim 60K @ 10KHz$
Core Material: Nanoperm®						

Mechanical Specification

Part Number: M-613

Nominal Core Dimensions:

3.15 x 2.48 x 1.18 inch
(80 x 63 x 30 mm)

Finished Core Dimensions:

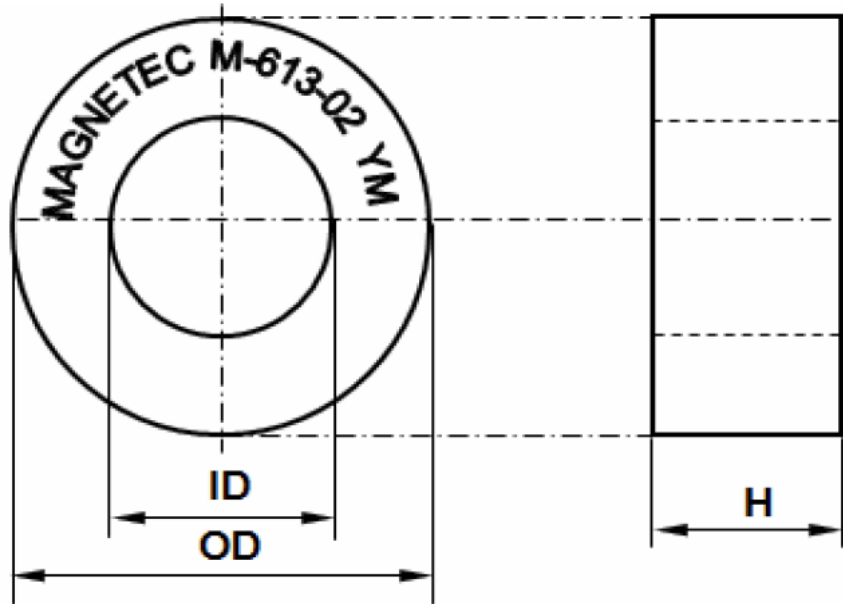
OD $\leq$ 3.35 inch (85.0 mm)
ID $\geq$ 2.24 inch (57.0 mm)
H $\leq$ 1.40 inch (35.5 mm)

$$\ell_E = 22.36 \text{ cm}$$

$$A_E = 1.86 \text{ cm}^2$$

Currie Temp = 1,112°F (600 °C)

RTI Temp (0.81) = 248°F (120°C)



Marking: M-613-02 YM: "-02" = Index; "YM" = Year/Month

Packing: 6 pc per layer, 2 layers/box; PU=12 pcs

Electrical Core Performance

Permeability @ frequency = 10 KHz and H = 3.16 mA/cm $\sim 60,000$

Inspection Value	Measured Value	Measurement Limits	Frequency	$L_{eff} * N$ (mA*turn)	
	AI (uH/N ²)	45.8 - 91.5	10 KHz	50	
	AI (uH/N ²)	15.5 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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