

M-616 NaLA®

Product Specification For Inductive Common Mode Choke Components

PS Index	02	Magnetec A/N	12628	Revision #	DATE	Alteration
PS Revision	02	Type:	E	01/01	2012/10/15	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-616

Nominal Core Dimensions:

6.30 x 5.12 x 1.18 inch
(160 x 130 x 30 mm)

Finished Core Dimensions:

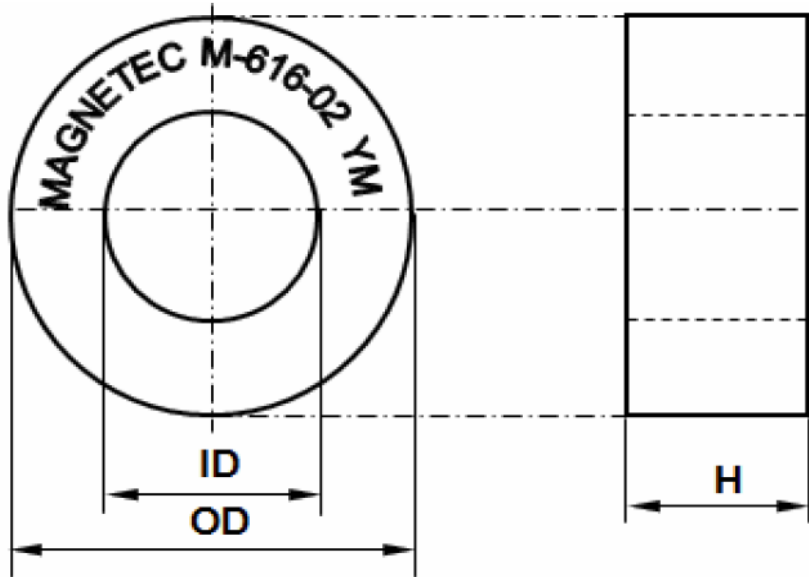
OD $\leq$ 6.50 inch (165 mm)
ID $\geq$ 4.84 inch (123 mm)
H $\leq$ 1.34 inch (34 mm)

$$\ell_E = 45.39 \text{ cm}$$

$$A_E = 3.24 \text{ cm}^2$$

Currie Temp = 1,112°F (600 °C)

RTI Temp (0.81) = 248°F (120°C)



Marking: M-616-02 YM: "-02" = Index; "YM" = Year/Month

Packing: 1 pc per layer, 5 layers/box; PU=5 pcs

Electrical Core Performance

Permeability @ frequency = 10 KHz and H = 3.0 mA/cm $\sim 60,000$

Inspection Value	Measured Value	Measurement Limits	Frequency	$L_{eff} * N$ (mA*turn)
	A_E (uH/N ²)	37.7 - 75.3	10 KHz	96
	A_E (uH/N ²)	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

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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