

FORM F 108  
Revision: 05  
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Product specification  
for inductive components

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Client:	MAGNETEC	Magnetec P/N:	M-553	Magnetec A/N:	12427
Client's P/N:	/	PS Index:	01	PS Revision:	02
Subject:	EMC Wandler				

1. Mechanical Outline

Nominal equivalent round core:

100 x 80 x 25

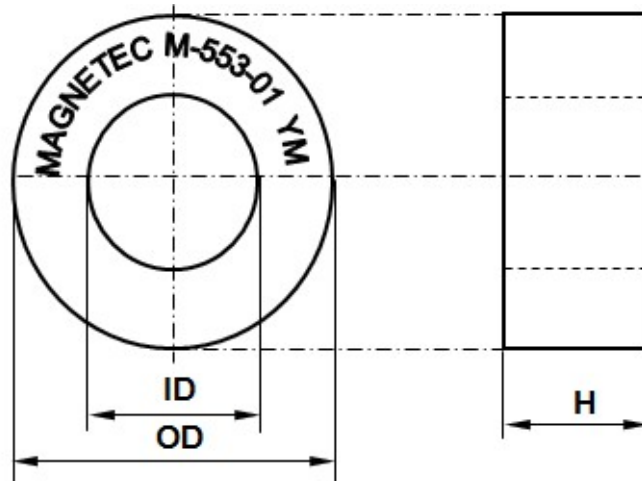
Finished product dimensions:

OD  $\leq$  104,0

ID  $\geq$  75,0

H  $\leq$  28,0

[dimensions] = mm



2. Core data (nominal values)

Core material:	NANOPERM®	$L_{Fe} = 27,7$ cm	$A_{Fe} = 1,72$ cm <sup>2</sup>
Permeability level:	30 000	@ frequency 10 kHz	@ H peak 3 mA/cm

3. Inspection values (at room temperature, unless otherwise stated)

Measured value	Measurement limits	Frequency	$I_{eff} \times N$ [mA x turn]
AL [ $\mu$ H]	15,6 - 31,2	10 kHz	60
AL [ $\mu$ H]	8,2 - NA	100 kHz	60
PFe [W/core]	0 - 5	15 kHz	$B^{\wedge} = 560$ mT

4. Core finishing

Type:	Epoxy coated
Marking:	MAGNETEC M-553-01 YM (YM = Year/Month), acc. to IEC 60062 6.1.1
Packaging:	4 pcs. per layer; 3 layers per carton box; PU = 12 pcs.

5. Comments

Visit [http://www.magnetec.de/fileadmin/pdf/pb\\_ds.pdf](http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf) for further information.

Index / Revision	Alteration	Date
01 / 01	Product Specification	14.01.2008
01 / 02	Nominal values and power loss limit changed, 100kHz lower inductance limit introduced	04.02.2015

Created:	Z. Palánki 04.02.2015	Approved (Techn):	F. Zámbořszky 13.02.2015	Approved (Quality):	J. Gulyás 13.02.2015	Released:	T. Trupp 13.02.2015
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