



|               |             |               |       |               |       |
|---------------|-------------|---------------|-------|---------------|-------|
| Client:       | MAGNETEC    | Magnetec P/N: | M-087 | Magnetec A/N: | 12085 |
| Client's P/N: | /           | PS Index:     | 01    | PS Revision:  | 02    |
| Subject:      | EMC Wandler |               |       | Type:         |       |

**1. Mechanical Outline**

Nominal core dimensions:

40 x 32 x 15

Finished product dimensions:

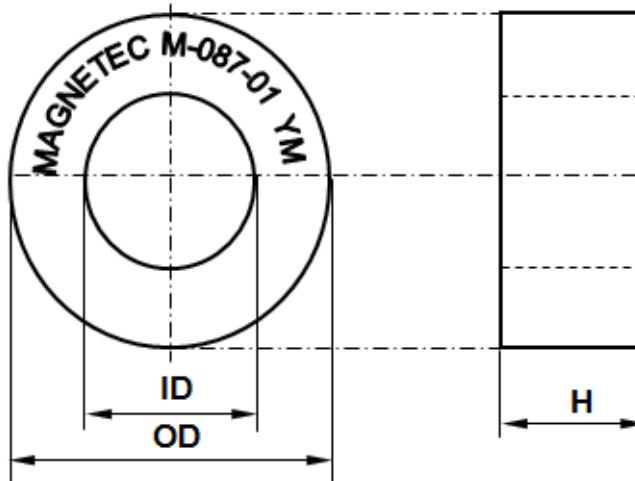
OD ≤ 42,3

ID ≥ 29,1

H ≤ 17,3

[dimensions] = mm

Dimensions of the epoxy coated core\*



**2. Core data (nominal values)**

|                     |            |                             |                              |
|---------------------|------------|-----------------------------|------------------------------|
| Core material:      | NANOPERM®  | $L_{Fe} = 11,26 \text{ cm}$ | $A_{Fe} = 0,44 \text{ cm}^2$ |
| Permeability level: | ca. 30.000 | @ frequency<br>10 kHz       | @ H peak<br>2,5 mA/cm        |

**3. Inspection values**

|         | Measured value | Measurement limits | Frequency | $l_{eff} \times N$ [mA x turn] |
|---------|----------------|--------------------|-----------|--------------------------------|
| AL [μH] |                | 9,6 - 21,6         | 10 kHz    | 20                             |
| AL [μH] |                | 4,8 - NA           | 100 kHz   | 20                             |

**4. Core finishing**

|            |   |
|------------|---|
| Type:      | Epoxy coated and foil banded                                    |
| Marking:   | MAGNETEC M-087-01 YM (YM = Year/Month), acc. to IEC 60062 6.1.1 |
| Packaging: | 24 pcs. per layer; 5 layers per carton box ; PU = 120 pcs.      |

**5. Comments :**



\* The foil bandaging can increase the geometry even by 1 mm.

| Index / Revision | Alteration  | Date       |
|------------------|---|------------|
| 01 / 00          | Product Specification   | 11.05.2001 |
| 01 / 01          | LN format; PU: 120 pcs.                                       | 15.02.2013 |
| 01 / 02          | Clarification of product dimension, define 100kHz lower limit | 20.10.2014 |

|          |            |                   |              |                     |            |           |            |
|----------|------------|-------------------|--------------|---------------------|------------|-----------|------------|
| Created: | Z. Palánki | Approved (Techn): | F. Záborszky | Approved (Quality): | J. Gulyás  | Released: | T. Trupp   |
|          | 20.10.2014 |                   | 09.03.2015   |                     | 09.03.2015 |           | 09.03.2015 |