

FORM F 108  
Revision: 05  
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Product specification  
for inductive components

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|               |             |               |       |               |       |
|---------------|-------------|---------------|-------|---------------|-------|
| Client:       | MAGNETEC    | Magnetec P/N: | M-683 | Magnetec A/N: | 12566 |
| Client's P/N: | /           | PS Index:     | 01    | PS Revision:  | 03    |
| Subject:      | EMC Wandler |               |       |               |       |

1. Mechanical Outline

Nominal equivalent round core:

80 x 63 x 30

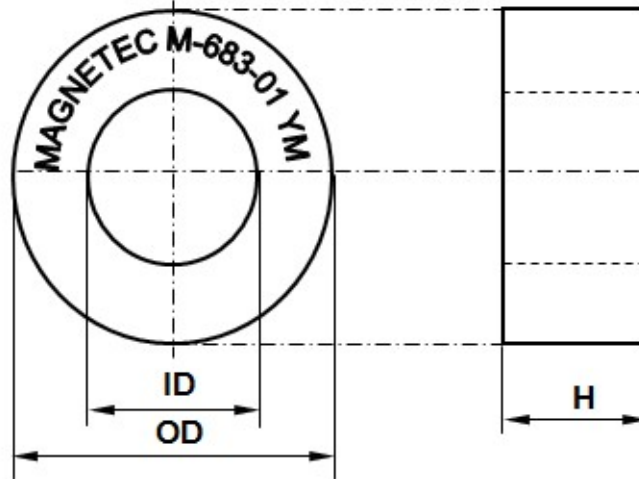
Finished product dimensions:

OD ≤ 85.0

ID ≥ 57,0

H ≤ 36.0

[dimensions] = mm



2. Core data (nominal values)

|                     |           |                             |                              |
|---------------------|-----------|-----------------------------|------------------------------|
| Core material:      | NANOPERM® | $L_{Fe} = 22,21 \text{ cm}$ | $A_{Fe} = 1,90 \text{ cm}^2$ |
| Permeability level: | 4 000     | @ frequency<br>10 kHz       | @ H peak<br>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 [ $\mu\text{H}$ ] | 3,0 - 6,0          | 10 kHz    | 47                             |
| AL [ $\mu\text{H}$ ] | 3,0 - 6,0          | 100 kHz   | 47                             |

4. Core finishing

|            |  |
|------------|--|
| Type:      | Cased  |
| Marking:   | MAGNETEC M-683-01 YM (YM = Year/Month), acc. to IEC 62 5.1 |
| Packaging: | 6 pcs. per layer; 2 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                                 | 31.08.2011 |
| 01 / 02          | Permeability level correction                         | 31.01.2012 |
| 01 / 03          | Harmonization of part and finished product dimensions | 10.01.2020 |

|          |             |                   |              |                     |            |           |            |
|----------|-------------|-------------------|--------------|---------------------|------------|-----------|------------|
| Created: | Z. Braxátor | Approved (Techn): | F. Záborszky | Approved (Quality): | G. Zsák    | Released: | B. Kessler |
|          | 10.01.2020  |                   | 10.01.2020   |                     | 10.01.2020 |           | 10.01.2020 |

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