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| <b>FORM</b><br>Identifier: F 108<br>Revision: 03<br>Page: 1/1 | <b>Product specification<br/>         for inductive components</b> | <b>MAGNETEC GmbH</b><br>Industriestrasse 7<br>D-63505 Langenselbold |
|---|--|---|



|                      |               |                      |       |                      |       |
|----------------------|---------------|----------------------|-------|----------------------|-------|
| <b>Client:</b>       | MAGNETEC GmbH | <b>Magnetec P/N:</b> | M-681 | <b>Magnetec A/N:</b> | 12521 |
| <b>Client's P/N:</b> | /             | <b>PS Index:</b>     | 02    | <b>PS Revision:</b>  | 03    |
| <b>Subject:</b>      | EMC Wandler   |                      |       | <b>Type:</b>         | K     |

|  |  |  |
|--|--|--|
| <b>1. Mechanical Outline</b><br>Nominal core dimensions:<br><b>40 x 32 x 15</b><br>Finished product dimensions:<br>OD ≤ 43,1<br>ID ≥ 28,8<br>H ≤ 17,4<br>[dimensions] = mm |  |  |
|--|--|--|

|                        |                    |                             |                              |
|------------------------|--------------------|-----------------------------|------------------------------|
| <b>2. Core data</b>    |                    |                             |                              |
| <b>Core material:</b>  | NANOPERM®          | $L_{Fe} = 11,26 \text{ cm}$ | $A_{Fe} = 0,45 \text{ cm}^2$ |
| <b>Nominal values:</b> | Permeability level | @ frequency                 | @ H peak                     |
|                        | 4 000              | 10 kHz                      | 3 mA/cm                      |
|                        | 4 000              | 100 kHz                     | 3 mA/cm                      |

|                             |                |                    |           |                      |
|-----------------------------|----------------|--------------------|-----------|----------------------|
| <b>3. Inspection values</b> |                |                    |           |                      |
|                             | Measured value | Measurement limits | Frequency | leff x N [mA x turn] |
|                             | AL [μH]        | 1,41 - 2,81        | 10 kHz    | 24                   |
|                             | AL [μH]        | 1,41 - 2,81        | 100 kHz   | 24                   |

|                          |   |
|--------------------------|---|
| <b>4. Core finishing</b> |   |
| <b>Type:</b>             | Cased   |
| <b>Marking:</b>          | MAGNETEC M-681-02 YM                                      |
| <b>Packaging:</b>        | 24 pcs. per layer; 5 layers per carton box; PU = 120 pcs. |

|                     |   |
|---------------------|---|
| <b>5. Comments:</b> |   |
|                     | <input checked="" type="checkbox"/> Marking date code (YM) acc. to IEC 62 5.1; YM = production year and month<br><input checked="" type="checkbox"/> RoHS compliant according to directive 2002/95/EC |

| Index / Revision | Alteration   | Date       |
|------------------|--|------------|
| 01 / 01          | Product Specification  | 07.06.2010 |
| 01 / 02          | AL limit and working point   | 21.10.2010 |
| 02 / 03          | Case material Ultramid; Case height ≤ 17,4 mm and outer diameter ≤ 43,1 mm | 02.05.2011 |

|                 |            |                          |              |                            |              |                  |             |
|-----------------|------------|--------------------------|--------------|----------------------------|--------------|------------------|-------------|
| <b>Created:</b> | Z. Palánki | <b>Approved (Techn):</b> | F. Záborszky | <b>Approved (Quality):</b> | V. Káposztás | <b>Released:</b> | F. Rauscher |
|                 | 02.05.2011 |                          | 02.05.2011   |                            | 03.05.2011   |                  | 03.05.2011  |