

|                                                               |                                                           |                                                                     |
|---------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------|
| <b>FORM</b><br>Identifier: F 108<br>Revision: 04<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>       | <b>MAGNETEC</b>    | <b>Magnetec P/N:</b> | <b>M-074</b> | <b>Magnetec A/N:</b> | <b>12053</b> |
| <b>Client's P/N:</b> | <b>/</b>           | <b>PS Index:</b>     | <b>05</b>    | <b>PS Revision:</b>  | <b>09</b>    |
| <b>Subject:</b>      | <b>EMC Wandler</b> |                      |              | <b>Type:</b>         | <b>E</b>     |

| 1. Mechanical Outline                                                                                                                                                           |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Nominal core dimensions:<br><br><b>25 x 16 x 10</b><br><br>Finished product dimensions:<br><br>OD ≤ <b>28,2</b><br>ID ≥ <b>13,0</b><br>H ≤ <b>12,8</b><br><br>[dimensions] = mm |  |

| 2. Core data    |                                         |                              |                               |
|-----------------|-----------------------------------------|------------------------------|-------------------------------|
| Core material:  | <b>NANOPERM®</b>                        | $L_{Fe} = 6,34 \text{ cm}$   | $A_{Fe} = 0,315 \text{ cm}^2$ |
| Nominal values: | Permeability level<br><b>ca. 90 000</b> | @ frequency<br><b>10 kHz</b> | @ H peak<br><b>3 mA/cm</b>    |

| 3. Inspection values |                |                    |           |                                |
|----------------------|----------------|--------------------|-----------|--------------------------------|
|                      | Measured value | Measurement limits | Frequency | $l_{eff} \times N$ [mA x turn] |
|                      | AL [μH]        | 40,0 - 80,0        | 10 kHz    | 13,4                           |
|                      | AL [μH]        | 10,8 - NA          | 100 kHz   | 13,4                           |

| 4. Core finishing |                                                                   |
|-------------------|-------------------------------------------------------------------|
| Type:             | <b>Cased</b>                                                      |
| Marking:          | <b>MAGNETEC M-074-05 YM</b> (YM = Year/Month), acc. to IEC 62 5.1 |
| Packaging:        | <b>63 pcs. per layer; 6 layers per carton box; PU = 378 pcs.</b>  |

| 5. Comments: |  |
|--------------|--|
|              |  |

| Index / Revision | Alteration                                                                  | Date       |
|------------------|-----------------------------------------------------------------------------|------------|
| 04 / 06          | Case and packaging change                                                   | 23.06.2004 |
| 04 / 07          | New format                                                                  | 27.04.2005 |
| 05 / 08          | LN format, 10 and 100kHz limits defined, finished product dimension changed | 11.09.2012 |
| 05 / 09          | Drawing change                                                              | 15.10.2012 |

|                 |            |                          |              |                            |            |                  |             |
|-----------------|------------|--------------------------|--------------|----------------------------|------------|------------------|-------------|
| <b>Created:</b> | Z. Palánki | <b>Approved (Techn):</b> | F. Zámbořský | <b>Approved (Quality):</b> | J. Gulyás  | <b>Released:</b> | F. Rauscher |
|                 | 15.10.2012 |                          | 16.10.2012   |                            | 16.10.2012 |                  | 16.10.2012  |