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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>       | <b>MAGNETEC GmbH</b> | <b>Magnetec P/N:</b> | <b>M-014</b> | <b>Magnetec A/N:</b> | <b>12022</b> |
| <b>Client's P/N:</b> | /                    | <b>PS Index:</b>     | <b>05</b>    | <b>PS Revision:</b>  | <b>04</b>    |
| <b>Subject:</b>      | <b>WANDLER</b>       |                      |              | <b>Type:</b>         | <b>E</b>     |

|   |  |
|---|--|
| <b>1. Mechanical Outline</b>  |  |
| Nominal core dimensions:<br><br><b>40 x 32 x 15</b><br><br>Finished product dimensions:<br><br><b>OD ≤ 42,3</b><br><b>ID ≥ 29,1</b><br><b>H ≤ 17,3</b><br><br>[dimensions] = mm |  |

|                     |                    |                             |                              |
|---------------------|--------------------|-----------------------------|------------------------------|
| <b>2. Core data</b> |                    |                             |                              |
| Core material:      | <b>NANOPERM®</b>   | $L_{Fe} = 11,26 \text{ cm}$ | $A_{Fe} = 0,44 \text{ cm}^2$ |
| Nominal values:     | Permeability level | @ frequency                 | @ $H_{max}$                  |
|                     | <b>30.000</b>      | <b>10 kHz</b>               | <b>3,1 mA/cm</b>             |

|                             |                |                    |                 |                      |
|-----------------------------|----------------|--------------------|-----------------|----------------------|
| <b>3. Inspection values</b> |                |                    |                 |                      |
|                             | Measured value | Measurement limits | Frequency [kHz] | leff x N [mA x turn] |
|                             | <b>AL [μH]</b> | <b>10,7 - 21,4</b> | <b>10</b>       | <b>25</b>            |

|                          |  |
|--------------------------|--|
| <b>4. Core finishing</b> |  |
| Type:                    | <b>Epoxy coated</b>  |
| Marking:                 | <b>MAGNETEC M-014-05 YM</b>                                      |
| Packaging:               | <b>24 pcs. per layer; 5 layers per carton box; PU = 120 pcs.</b> |

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

| Index / Revision | Alteration                   | Date       |
|------------------|------------------------------|------------|
| 03/pre           | Sample                       | 03.11.1999 |
| 04/01            | AL = 9.6 - 21.6 μH           | 11.05.2001 |
| 05/02            | AL = 10.7 - 21.4 μH          | 07.01.2004 |
| 05/03            | RoHS conform / PU = 120 pcs. | 07.02.2006 |
| 05/04            | New format                   | 06.06.2006 |

|                 |            |                          |              |                            |              |                  |             |
|-----------------|------------|--------------------------|--------------|----------------------------|--------------|------------------|-------------|
| <b>Created:</b> | Zs. Sandor | <b>Approved (Techn):</b> | F. Záborszky | <b>Approved (Quality):</b> | V. Kaposztas | <b>Released:</b> | F. Rauscher |
|                 | 06.06.2006 |                          | 06.06.2006   |                            | 06.06.2006   |                  | 14.06.2006  |