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| FORM Identifier: F 108 Revision: 04 Page: 1/1 | Product specification for inductive components | MAGNETEC GmbH Industriestrasse 7 D-63505 Langenselbold |
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|----------------------|--------------------|----------------------|--------------|----------------------|--------------|
| Client: | MAGNETEC | Magnetec P/N: | M-104 | Magnetec A/N: | 12463 |
| Client's P/N: | | PS Index: | 05 | PS Revision: | 05 |
| Subject: | EMC Wandler | | | Type: | |

| 1. Mechanical Outline | |
|--|--|
| Nominal core dimensions: 16 x 10 x 6 Finished product dimensions: OD ≤ 18,0 ID ≥ 8,0 H ≤ 8,4 [dimensions] = mm | |

| 2. Core data (nominal values) | | | |
|-------------------------------|------------------|----------------------------|-------------------------------|
| Core material: | NANOPERM® | $L_{Fe} = 4,01 \text{ cm}$ | $A_{Fe} = 0,126 \text{ cm}^2$ |
| Permeability level: | ca. 30 000 | @ frequency 10 kHz | @ H peak 3,53 mA/cm |

| 3. Inspection values | | | | |
|----------------------|----------------|--------------------|-----------|----------------------|
| | Measured value | Measurement limits | Frequency | leff x N [mA x turn] |
| | AL [μH] | 7,9 - 15,8 | 10 kHz | 10 |
| | AL [μH] | 3,9 - NA | 100 kHz | 10 |

| 4. Core finishing | |
|-------------------|--|
| Type: | Cased |
| Marking: | MAGNETEC M-104-05 YM (YM = Year/Month), acc. to IEC 60062 6.1.1 |
| Packaging: | 110 pcs. per layer; 9 layers per carton box ; PU = 990 pcs. |

| 5. Comments: | |
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| Index / Revision | Alteration | Date |
|------------------|--|------------|
| 01 / 00 | Product Specification / Case MT-014 | 12.07.2001 |
| 02 / 01 | AL = 7,9 - 15,8 μH / PU = 230 pcs. | 28.04.2003 |
| 03 / 02 | Case MT-026 / PU = 990 pcs. / RoHS compliance | 20.09.2005 |
| 04 / 03 | Finished dimensions, nominal permeability and Magnetec A/N changed | 19.03.2013 |
| 04 / 04 | 100kHz lower limit defined | 10.11.2014 |
| 05 / 05 | Change to blue case | 25.07.2016 |

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| Created: | M. Pádár | Approved (Techn): | F. Záborszky | Approved (Quality): | L. Ferencz | Released: | P. Seiz |
| | 25.07.2016 | | 01.08.2016 | | 01.08.2016 | | 01.08.2016 |