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|---|--|---|
| <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>MR-080</b> | <b>Magnetec A/N:</b> | <b>12811</b> |
| <b>Client's P/N:</b> | /                  | <b>PS Index:</b>     | <b>02</b>     | <b>PS Revision:</b>  | <b>01</b>    |
| <b>Subject:</b>      | <b>EMC Wandler</b> |                      |               | <b>Type:</b>         |              |

| 1. Mechanical Outline   |  |
|---|--|
| Nominal core dimensions:<br><b>78,2 x 41,8 x 13</b><br><br>Finished product dimensions:<br>OD ≤ <b>82,3</b><br>ID ≥ <b>38,4</b><br>H ≤ <b>15,9</b><br><br>[dimensions] = mm |  |

| 2. Core data (nominal values) |                  |                              |                              |
|-------------------------------|------------------|------------------------------|------------------------------|
| Core material:                | <b>NANOPERM®</b> | $L_{Fe} = 18,3 \text{ cm}$   | $A_{Fe} = 1,73 \text{ cm}^2$ |
| Permeability level:           | <b>12 000</b>    | @ frequency<br><b>10 kHz</b> | @ H peak<br><b>3 mA/cm</b>   |

| 3. Inspection values |                |                    |           |                                |
|----------------------|----------------|--------------------|-----------|--------------------------------|
|                      | Measured value | Measurement limits | Frequency | $I_{eff} \times N$ [mA x turn] |
|                      | AL [μH]        | 10 - 20            | 10 kHz    | 39                             |
|                      | AL [μH]        | 7,4 - NA           | 100 kHz   | 39                             |

| 4. Core finishing |   |
|-------------------|---|
| Type:             | <b>Epoxy coated</b>   |
| Marking:          | <b>MAGNETEC MR-080-02 YM (YM = Year/Month), acc. to IEC 60062 6.1.1</b> |
| Packaging:        | <b>6 pcs. per layer; 5 layers per carton box; PU = 30 pcs.</b>          |

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

| Index / Revision | Alteration  | Date       |
|------------------|-------------|------------|
| 02 / 01          | First issue | 20.07.2016 |

|                 |            |                          |              |                            |            |                  |            |
|-----------------|------------|--------------------------|--------------|----------------------------|------------|------------------|------------|
| <b>Created:</b> | Z. Palánki | <b>Approved (Techn):</b> | F. Záborszky | <b>Approved (Quality):</b> | L. Ferencz | <b>Released:</b> | T. Trupp   |
|                 | 20.07.2016 |                          | 02.08.2016   |                            | 02.08.2016 |                  | 02.08.2016 |