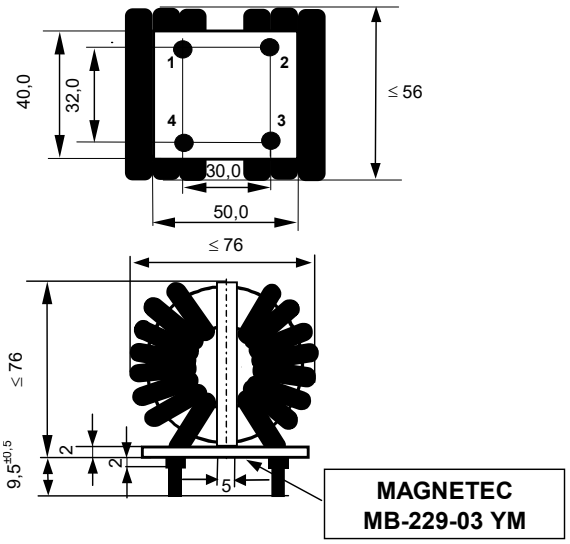
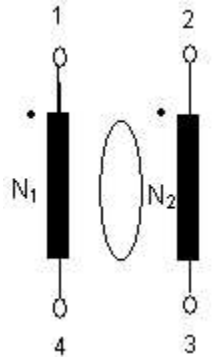
| Magnetec | Product specification for Inductive Components | Form: Revision: | MF04.07 (F190) 01 |
|---|---|---|---|

| Client: | MAGNETEC GmbH | Magnetec P/N: | MB-229 | Magnetec A/N: | 12389 |
|---|---|---|---|---|---|
| Client's p/n: | / | PS Index: | 03 | PS Revision: | 06 |
| Subject: | EMC Component | | | | |

## 1. Mechanical outline




Wiring diagram




## 2. Nominal values

| | | | |
|---|---|---|---|
| Core material: | NANOPERM® | High voltage strength: | Up,eff = 1,25kV |
| Nominal voltage: | 275 Veff AC | Ambient temperature: | -40 ... +85 °C |
| Nominal inductance: | 2 x 33 mH | Max. operating temperature: | °C |
| Nominal current: | 25* A | Storage temperature: | -40 ... +85 °C |
| Leakage inductances: | ca. 60 µH | Design standard: | EN 60938-1 |
| No. of turns: | N1 = N2 = 24 turns | Wire diameter: | mm |
| Comments: | * forced cooling | | |

## 3. Inspection values (at room temperature, unless otherwise stated)

| Measured value | Measuring limits | Measuring configurations | |
|---|---|---|---|
| Inductivity L1; L2 [mH] | 17,0 - 48,0 | f = 10 kHz | Ieff = 1 mA |
| Wire resistance Rcu1; Rcu2 [mOhms] | - <= 10,0 | RT = 25 °C | |
| HV strength between N1 and N2 / Iiso<1mA | OK - NOK | Up,eff = 2,5 kV | t = 2 s |
| | - | | |
| | - | | |

## 4. Others

| | |
|---|---|
| Marking: | MAGNETEC MB-229-03 YM (Y= production year; M=month) |
| Packaging: | 4 pcs. per layer, 2 layers per carton box; PU = 8 pcs. |
| Comments: | Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information. |

| Index / Rev. | Alteration | Date |
|---|---|---|
| 03 / 04 | Pin diameter <= 4,5 mm; PU = 10 pcs. | 01.03.2007 |
| 03 / 05 | Choke dimensions 76 x 76 x 56 mm; PU = 8 pcs. | 23.03.2007 |
| 03 / 06 | Revised spacer construction | 15.05.2007 |

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|---|---|---|---|---|---|---|---|
| Created: | Á. Kovách<br>15.05.2007 | Approved (Techn): | F. Zámborszky<br>16.05.2007 | Approved (Quality): | V. Kaposztas<br>16.05.2007 | Released: | F. Rauscher<br>16.05.2007 |