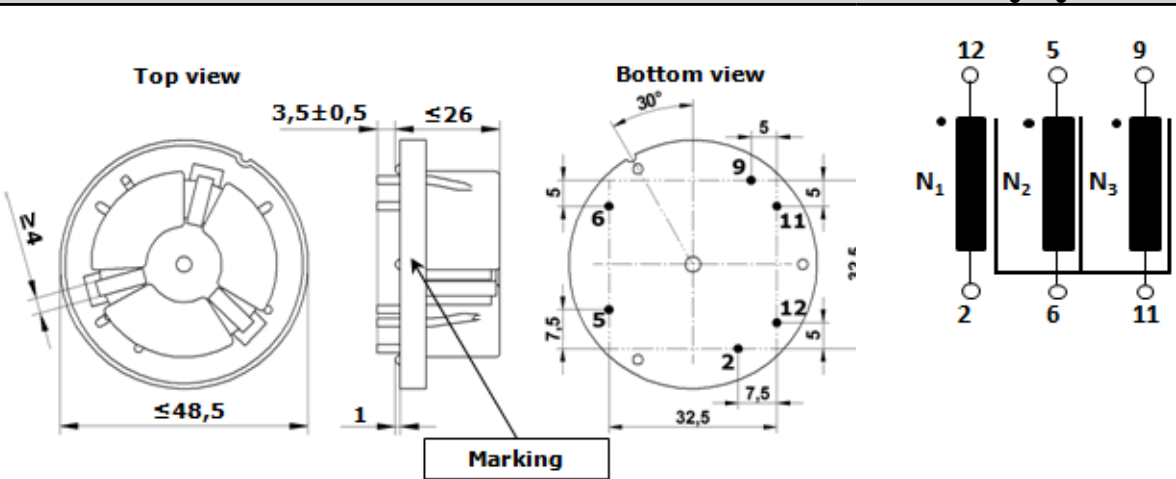


| | | |
|---|--|---|
| FORM Identifier: F 190 Revision: 02 Page: 1/1 | Product specification for Inductive Components | MAGNETEC GmbH Industriestrasse 7 D-63505 Langenselbold |
|---|--|---|

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|----------------------|----------------------|----------------------|---------------|----------------------|--------------|
| Client: | MAGNETEC | Magnetec P/N: | MB-937 | Magnetec A/N: | 12714 |
| Client's p/n: | / | PS Index: | 01 | PS Revision: | 03 |
| Subject: | EMC Component | | | Type: | |

| | |
|-------------------------------|-----------------------|
| 1.1 Mechanical outline | Wiring diagram |
|-------------------------------|-----------------------|



Pin position tolerance: $\pm 0,3\text{mm}$
 Position of cable tie terminal clip is on the lower side of the cores outer perimeter.

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| 2. Nominal values |
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|----------------------|--|------------------------|------------------------------------|
| Core material: | NANOPERM® | Wire Resistance: | $\leq 5,5$ mOhms |
| Nominal voltage: | 440 Veff AC | High voltage strength: | Up,eff = 2,5 kV |
| Nominal inductance: | 3 x 4,4 mH | Operating temperature: | -40 ... +60 °C |
| Nominal current: | 16* A | Storage temperature: | -40 ... +85 °C |
| Leakage inductances: | ca. 12 μH | Design standard: | EN 60938-1 |
| No. of turns: | N1 = N2 = N3 = 9 | Wire diameter: | 1,4 mm |
| Comments: | * In case of forced air cooling . | | |

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|-----------------------------|
| 3. Inspection values |
|-----------------------------|

| Measured value | Measuring limits | Measuring configurations | |
|--|------------------|--------------------------|-----------|
| Inductivity L 1; L2; L3 [mH] | 2,8 - 7,1 | f=10 kHz | Ieff=2 mA |
| Inductivity L 1; L2; L3 [mH] | 0,75 - NA | f=100 kHz | Ieff=2 mA |
| Wire resistance Rcu 1; Rcu2; Rcu3 [mOhms] | 0 - 5,5 | T = 23 \pm 3 °C | |
| HV strength between N 1; N2; N3 / Iiso<1mA | OK - NOK | Up,eff = 2,5 kV | t=2 s |
| | - | | |

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| 4. Others |
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| | | |
|--|------------|---|
| | Marking: | MAGNETEC MB-937-01 YM (YM = Year/Month), acc. to IEC 60062 6.1.1 |
| | Packaging: | 15 pcs. per layer, 3 layers per carton box ; PU = 45 pcs. |
| | Comments: | |

| Index / Rev. | Alteration | Date |
|--------------|---|------------|
| 01 / 01 | First issue | 26.02.2015 |
| 01 / 02 | Head of cable tie on the outer perimeter | 22.04.2015 |
| 01 / 03 | Nominal current in case of forced air cooling | 30.09.2015 |

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|-----------------|------------|--------------------------|---------------|----------------------------|------------|------------------|------------|
| Created: | Z. Palánki | Approved (Techn): | F. Zámbořszky | Approved (Quality): | J. Gulyás | Released: | T. Trupp |
| | 30.09.2015 | | 06.11.2015 | | 06.11.2015 | | 06.11.2015 |