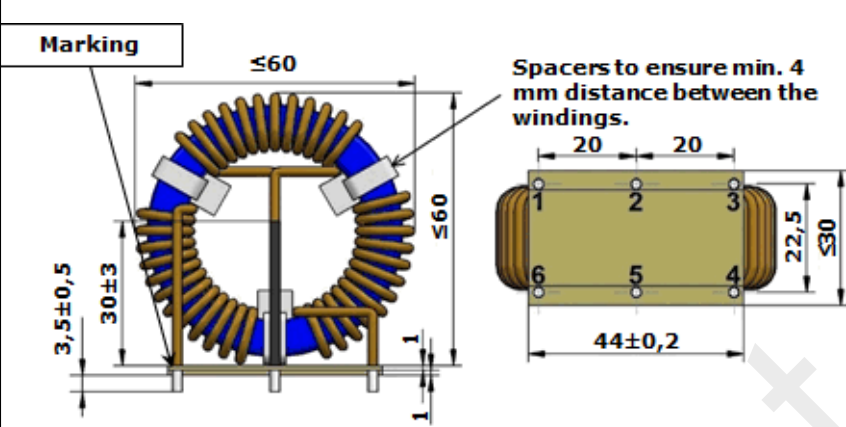
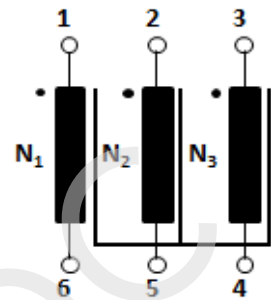


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|               |               |               |        |              |    |
|---------------|---------------|---------------|--------|--------------|----|
| Client:       | MAGNETEC      | Magnetec P/N: | MB-634 |              |    |
| Client's p/n: | /             | PS Index:     | 01     | PS Revision: | 01 |
| Subject:      | EMC Component |               |        |              |    |

| 1. Mechanical outline                                                                                                      |                                                                                                                                            | Wiring diagram                                                                                 |                          |
|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------|
| <div><div>Marking</div><div></div></div> |                                                                                                                                            | <div></div> |                          |
| 2. Nominal values                                                                                                          |                                                                                                                                            |                                                                                                |                          |
| Core material:                                                                                                             | NANOPERM®                                                                                                                                  | High voltage strength:                                                                         | Up,eff = 2,5 kV          |
| Nominal voltage:                                                                                                           | 480 Veff AC                                                                                                                                | Ambient temperature:                                                                           | -40 ... +70 °C           |
| Nominal inductance:                                                                                                        | 3 x 1,7 mH                                                                                                                                 | Max. operating temperature:                                                                    | °C                       |
| Nominal current:                                                                                                           | 20 A                                                                                                                                       | Storage temperature:                                                                           | -40 ... +85 °C           |
| Leakage inductances:                                                                                                       | ca. 14 µH                                                                                                                                  | Design standard:                                                                               | EN 60938-1               |
| No. of turns:                                                                                                              | N1 = N2 = N3 = 13                                                                                                                          | Wire diameter:                                                                                 | 2,0 mm                   |
| Comments:                                                                                                                  |                                                                                                                                            |                                                                                                |                          |
| 3. Inspection values (at room temperature, unless otherwise stated)                                                        |                                                                                                                                            |                                                                                                |                          |
| Measured value                                                                                                             |                                                                                                                                            | Measuring limits                                                                               | Measuring configurations |
| Inductivity L1; L2; L3 [mH]                                                                                                |                                                                                                                                            | 1,08 - 2,40                                                                                    | f = 10 kHz               |
| Inductivity L1; L2; L3 [mH]                                                                                                |                                                                                                                                            | 0,85 - NA                                                                                      | f = 100 kHz              |
| Wire resistance Rcu1; Rcu2; Rcu3 [mOhms]                                                                                   |                                                                                                                                            | 0 - 4,85                                                                                       | T = 23±3°C               |
| HV strength between N1; N2; N3 / Iiso<1mA                                                                                  |                                                                                                                                            | OK - NOK                                                                                       | Ueff = 2,5 kV            |
|                                                                                                                            |                                                                                                                                            | -                                                                                              | t = 2 s                  |
| 4. Others                                                                                                                  |                                                                                                                                            |                                                                                                |                          |
| Marking:                                                                                                                   | MAGNETEC MB-634-01 YM (YM = Year/Month), acc. to IEC 60062 6.1.1                                                                           |                                                                                                |                          |
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| Index / Rev.                                                                                                               | Alteration                                                                                                                                 |                                                                                                | Date                     |
| 01 / 01                                                                                                                    | First issue                                                                                                                                |                                                                                                | 16.06.2016               |

|          |            |                   |                |                     |            |           |            |
|----------|------------|-------------------|----------------|---------------------|------------|-----------|------------|
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|          | 16.06.2016 |                   | 25.08.2016     |                     | 25.08.2016 |           | 25.08.2016 |

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