Magnetec

## Product specification for Inductive Components

|  | GNETEC  | Magnetec P/N                       | I: MB-636  |   |  |  |
|--|---|------------------------------------|--|---|--|--|
|  |   |                                    |  |   |  |  |
| Client's p/n: /  |   | PS Index:                          | 01   | PS I  | Revision:  | 01   |
| Subject: EM  | C Component   |                                    |  |   |  |  |
| I. Mechanical outline  | 2   |                                    |  |   | Wiring   | diagram  |
| Top view<br>≤60  |   |                                    | Bottom vi  | ew  | 1<br>•<br>•<br>•<br>•  | 2<br>N <sub>2</sub>  |
| 2. Nominal values  | NANOPERM®   |                                    | High voltage s   | trongth:  | Up,eff = 2   |  |
|  |   |                                    |  |   |  | ,5 kV  |
| Nominal voltage:   | 250 Veff AC   |                                    | Ambient temp   |   | -40 +70  |  |
| Nominal inductance   |   |                                    | Ambient temp<br>Max. operating<br>temperature:   | erature:<br>g   | -40 +70<br>°C  | D°C  |
| Nominal inductance   |   |                                    | Ambient temp<br>Max. operating<br>temperature:<br>Storage tempe  | erature:<br>g<br>erature:   | -40 +70<br>°C<br>-40 +85   | ⊃°C<br>5°C   |
| Nominal inductance<br>Nominal current:<br>Leakage  | <sup>2</sup> 2 x 6 mH   |                                    | Ambient temp<br>Max. operating<br>temperature:   | erature:<br>g<br>erature:   | -40 +70<br>°C  | ⊃°C<br>5°C   |
| Nominal inductance<br>Nominal current:<br>Leakage<br>Inductances:  | <sup>:</sup> 2 x 6 mH<br>25 A<br>ca. 4.5 μH   |                                    | Ambient temp<br>Max. operating<br>temperature:<br>Storage tempe  | erature:<br>g<br>erature:<br>rd:  | -40 +70<br>°C<br>-40 +85   | ⊃°C<br>5°C   |
| Nominal inductance<br>Nominal current:<br>Leakage<br>nductances:<br>No. of turns:  | <sup>:</sup> 2 x 6 mH<br>25 A   |                                    | Ambient temp<br>Max. operating<br>temperature:<br>Storage tempe<br>Design standa   | erature:<br>g<br>erature:<br>rd:  | -40 +70<br>°C<br>-40 +85<br>EN 60938-  | ⊃°C<br>5°C   |
| Nominal inductance<br>Nominal current:<br>Leakage<br>nductances:<br>No. of turns:<br>Comments:   | <sup>:</sup> 2 x 6 mH<br>25 A<br>ca. 4.5 μH   | otherwise stated)                  | Ambient temp<br>Max. operating<br>temperature:<br>Storage tempe<br>Design standa   | erature:<br>g<br>erature:<br>rd:  | -40 +70<br>°C<br>-40 +85<br>EN 60938-  | ⊃°C<br>5°C   |
| Nominal inductance<br>Nominal current:<br>Leakage<br>nductances:<br>No. of turns:<br>Comments:<br>3. Inspection values   | <ul> <li>2 x 6 mH</li> <li>25 A</li> <li>ca. 4.5 μH</li> <li>N1 = N2 = 8</li> <li>(at room temperature, unless<br/>asured value</li> </ul>  | Ме                                 | Ambient temp<br>Max. operating<br>temperature:<br>Storage tempe<br>Design standa<br>Wire diameter<br>asuring limits  | erature:<br>g<br>erature:<br>rd:<br>:   | -40 +70<br>°C<br>-40 +85<br>EN 60938-<br>2,5 mm                                    | o °C<br>5 °C<br>−1<br>gurations  |
| Nominal inductance<br>Nominal current:<br>Leakage<br>nductances:<br>No. of turns:<br>Comments:<br>3. Inspection values<br>Mec<br>nductivity L1; L2 [mH<br>nductivity L1; L2 [mH<br>Wire resistance Rcu1;   | <ul> <li>2 x 6 mH</li> <li>25 A</li> <li>ca. 4.5 μH</li> <li>N1 = N2 = 8</li> <li>(at room temperature, unless asured value)</li> <li>Rcu2 [mOhms]</li> </ul>   | Me                                 | Ambient temp<br>Max. operating<br>temperature:<br>Storage tempe<br>Design standa<br>Wire diameter  | erature:<br>g<br>erature:<br>rd:<br>:   | -40 +70<br>°C<br>-40 +85<br>EN 60938-<br>2,5 mm<br>suring config<br>Ue             | 0 °C<br>5 °C<br>−1   |
| Mec<br>nductivity L1; L2 [mH<br>nductivity L1; L2 [mH<br>Wire resistance Rcu1;<br>HV strength between<br>4. Others<br>Marking: MA<br>Packaging: 12   | <ul> <li>2 x 6 mH</li> <li>25 A</li> <li>ca. 4.5 μH</li> <li>N1 = N2 = 8</li> <li>(at room temperature, unless<br/>asured value</li> <li>Rcu2 [mOhms]</li> <li>N1; N2 / liso&lt;1mA</li> <li>AGNETEC MB-636-01 Y</li> <li>pcs. per layer, 2 laye</li> </ul>                               | M (YM = Year/M<br>rs per carton bo | Ambient temp<br>Max. operating<br>temperature:<br>Storage tempe<br>Design standa<br>Wire diameter<br>asuring limits<br>3,84 - 8,57<br>1,22 - NA<br>0 - 2,1<br>OK - NOK<br>-<br>Month), acc. to I<br>px; PU = 24 pcs. | erature:<br>g<br>rd:<br>:<br>f = 10 kHz<br>f = 100 kHz<br>T = 23±3°C<br>Ueff = 2,5 k1<br>EC 60062 6.1.1 | -40 +70<br>°C<br>-40 +85<br>EN 60938-<br>2,5 mm<br>suring config<br>Ue<br>Ue<br>Ue | 0 °C<br>5 °C<br>-1<br>gurations<br>eff = 0,1 V<br>eff = 0,1 V<br>= 2 s |
| Nominal inductance<br>Nominal current:<br>Leakage<br>nductances:<br>No. of turns:<br>Comments:<br>3. Inspection values<br>Med<br>nductivity L1; L2 [mH<br>Nire resistance Rcu1;<br>IV strength between<br>4. Others<br>Marking: MJ<br>Packaging: 12<br>Comments: V   | <ul> <li>2 x 6 mH</li> <li>25 A</li> <li>ca. 4.5 μH</li> <li>N1 = N2 = 8</li> <li>(at room temperature, unless<br/>asured value</li> <li>Rcu2 [mOhms]</li> <li>N1; N2 / liso&lt;1mA</li> <li>AGNETEC MB-636-01 Y</li> <li>pcs. per layer, 2 laye</li> <li>isit http://www.magn</li> </ul> | M (YM = Year/M<br>rs per carton bo | Ambient temp<br>Max. operating<br>temperature:<br>Storage tempe<br>Design standa<br>Wire diameter<br>asuring limits<br>3,84 - 8,57<br>1,22 - NA<br>0 - 2,1<br>OK - NOK<br>-<br>Month), acc. to I<br>px; PU = 24 pcs. | erature:<br>g<br>rd:<br>:<br>f = 10 kHz<br>f = 100 kHz<br>T = 23±3°C<br>Ueff = 2,5 k1<br>EC 60062 6.1.1 | -40 +70<br>°C<br>-40 +85<br>EN 60938-<br>2,5 mm<br>suring config<br>Ue<br>Ue<br>Ue | 0 °C<br>5 °C<br>-1<br>gurations<br>2ff = 0,1 V<br>2ff = 0,1 V<br>: 2 s |
| Nominal inductance<br>Nominal current:<br>Leakage<br>nductances:<br>No. of turns:<br>Comments:<br><b>3. Inspection values</b><br>Mec<br><b>nductivity L1; L2 [mH</b><br><b>nductivity L1; L2 [mH</b><br><b>Nire resistance Rcu1;</b><br><b>1V strength between</b><br><b>4. Others</b><br>Marking: M/<br>Packaging: 12<br>Comments: V<br><b>Index / Rev.</b> Alter | <ul> <li>2 x 6 mH</li> <li>25 A</li> <li>ca. 4.5 μH</li> <li>N1 = N2 = 8</li> <li>(at room temperature, unless<br/>asured value</li> <li>Rcu2 [mOhms]</li> <li>N1; N2 / liso&lt;1mA</li> <li>AGNETEC MB-636-01 Y</li> <li>pcs. per layer, 2 laye</li> </ul>                               | M (YM = Year/M<br>rs per carton bo | Ambient temp<br>Max. operating<br>temperature:<br>Storage tempe<br>Design standa<br>Wire diameter<br>asuring limits<br>3,84 - 8,57<br>1,22 - NA<br>0 - 2,1<br>OK - NOK<br>-<br>Month), acc. to I<br>px; PU = 24 pcs. | erature:<br>g<br>rd:<br>:<br>f = 10 kHz<br>f = 100 kHz<br>T = 23±3°C<br>Ueff = 2,5 k1<br>EC 60062 6.1.1 | -40 +70<br>°C<br>-40 +85<br>EN 60938-<br>2,5 mm<br>suring config<br>Ue<br>Ue<br>Ue | 0 °C<br>5 °C<br>-1<br>gurations<br>eff = 0,1 V<br>eff = 0,1 V<br>= 2 s |

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