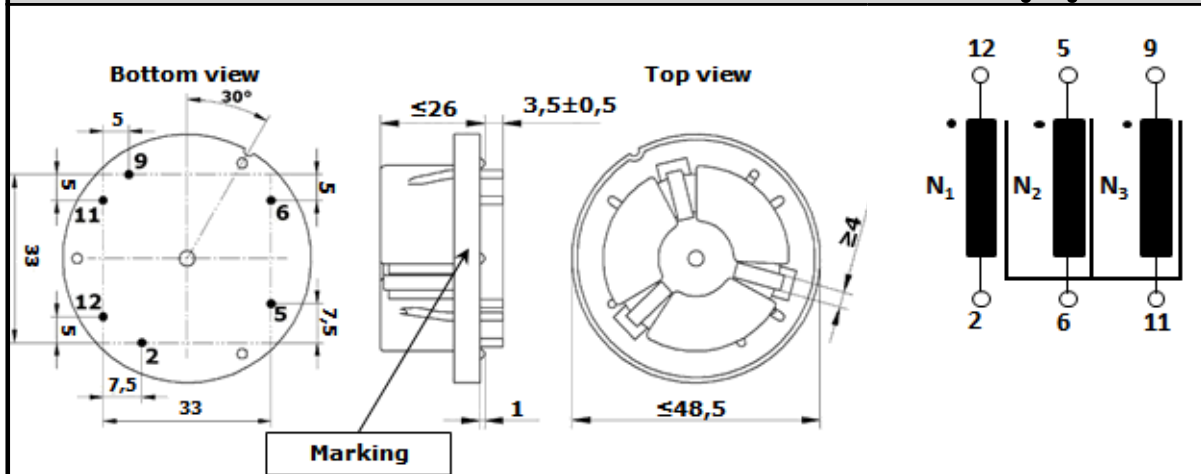


<b>FORM</b> Identifier: F 190 Revision: 02 Page: 1/1	<b>Product specification          for Inductive Components</b>	<b>MAGNETEC GmbH</b> Industriestrasse 7 D-63505 Langenselbold
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<b>Client:</b>	<b>MAGNETEC</b>	<b>Magnetec P/N:</b>	<b>MB-037</b>	<b>Magnetec A/N:</b>	<b>12084</b>
<b>Client's p/n:</b>	/	<b>PS Index:</b>	<b>02</b>	<b>PS Revision:</b>	<b>06</b>
<b>Subject:</b>	<b>EMC Component</b>			<b>Type:</b>	

<b>1.1 Mechanical outline</b>	<b>Wiring diagram</b>
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Pin position tolerance:  $\pm 0,3\text{mm}$   
 Position of cable tie terminal clip is on the lower side of the cores outer perimeter.

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

<b>3. Inspection values</b>			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L 1; L2; L3 [mH]	2,8 - 7,1	f = 10 kHz leff = 1 mA
	Wire resistance Rcu 1; Rcu2; Rcu3 [mOhms]	0 - 5,5	RT = 25 °C
	HV strength between N 1; N2; N3 / liso < 1mA	OK - NOK	Up,eff = 2,5 kV t = 2 s
		-	
		-	

<b>4. Others</b>	
Marking:	<b>MAGNETEC MB -037-02 YM (YM = Year/Month), acc. to IEC 60062 6.1.1</b>
Packaging:	<b>15 pcs. per layer, 3 layers per carton box ; PU = 45 pcs.</b>
Comments:	

Index / Rev.	Alteration	Date
01 / 00	Product Specification	11.12.2001
02 / 01	Baseplate: MT-011.01	16.10.2003
02 / 02	RoHS compliance	03.01.2006
02 / 03	LN format	25.02.2013
02 / 04	Schematic drawing and wiring diagram updated	28.04.2015
02 / 05	Schematic drawing corrected	07.07.2015
02 / 06	Nominal current in case of forced air cooling	30.09.2015

<b>Created:</b>	Z. Palánki	<b>Approved (Techn):</b>	F. Zámorszky	<b>Approved (Quality):</b>	J. Gulyás	<b>Released:</b>	T. Trupp
	30.09.2015		05.11.2015		05.11.2015		05.11.2015