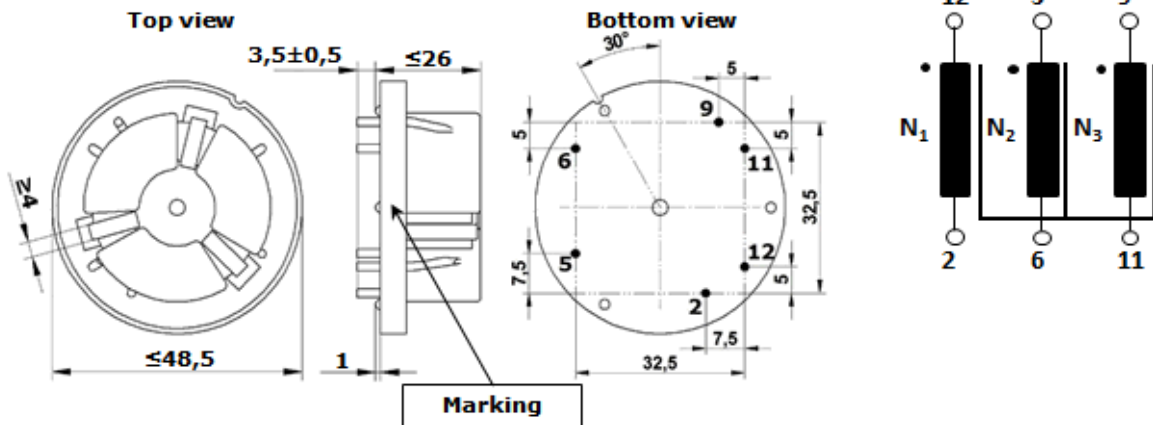


FORM Identifier: F 190 Revision: 02 Page: 1/1	Product specification for Inductive Components	MAGNETEC GmbH Industriestrasse 7 D-63505 Langenselbold
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Client: MAGNETEC	Magnetec P/N: MB-637	Magnetec A/N: 12725
Client's p/n: /	PS Index: 01	PS Revision: 02
Subject: EMC Component	Type:	

1.1 Mechanical outline	Wiring diagram
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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 core's outer perimeter.

2. Nominal values

Core material:	NANOPERM®	Wire Resistance:	$\leq 5,5 \text{ mOhms}$
Nominal voltage:	440 Veff AC	High voltage strength:	$U_{p,eff} = 2,5 \text{ kV}$
Nominal inductance:	3 x 4,4 mH	Operating temperature:	-40 ... +70 °C
Nominal current:	14 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:			

3. Inspection values

Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2; L3 [mH]	2,8 - 6,3	f=10 kHz	Ieff=1,8 mA
Inductivity L1; L2; L3 [mH]	0,92 - NA	f=100 kHz	Ieff=1,8 mA
Wire resistance Rcu1; Rcu2; Rcu3 [mOhms]	0 - 5,5	T = 23 \pm 3 °C	
HV strength between N1; N2; N3 / Iiso<1mA	OK - NOK	$U_{p,eff} = 2,5 \text{ kV}$	t=2 s
	-		

4. Others

	Marking:	MAGNETEC MB-637-01 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	22.04.2015
01 / 02	Nominal current and maximum operating temperature modified	30.09.2015

Created:	Z. Palánki	Approved (Techn):	F. Záborszky	Approved (Quality):	J. Gulyás	Released:	T. Trupp
	30.09.2015		05.11.2015		05.11.2015		05.11.2015