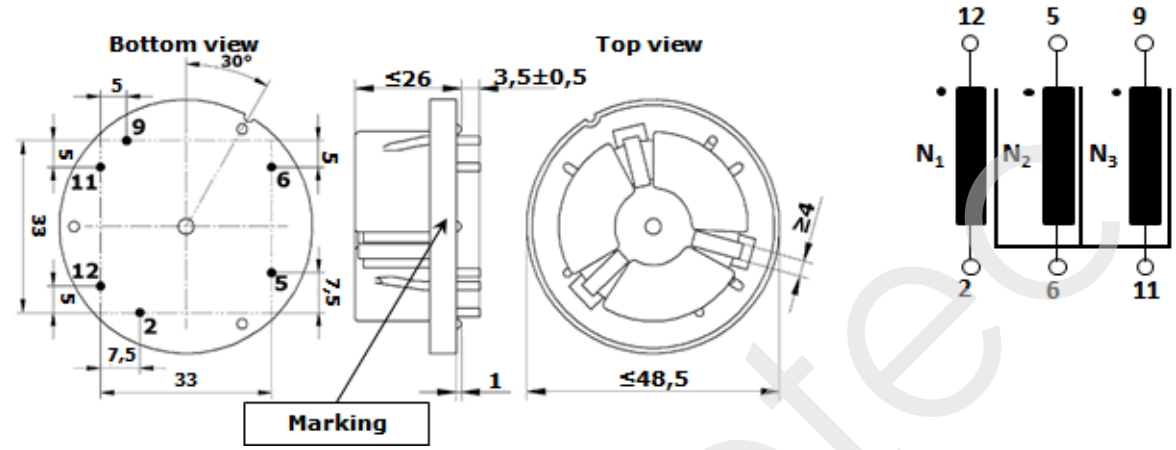


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Client:	MAGNETEC	Magnetec P/N:	MB-037		
Client's p/n:	/	PS Index:	02	PS Revision:	06
Subject:	EMC Component				

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 core's outer perimeter.	

2. Nominal values			
Core material:	NANOPERM®	High voltage strength:	$U_{p,eff} = 2,5 \text{ kV}$
Nominal voltage:	440 Veff AC	Ambient temperature:	-40 ... +60 °C
Nominal inductance:	3 x 4,4 mH	Max. operating temperature:	°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 .		

3. Inspection values (at room temperature, unless otherwise stated)			
Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2; L3 [mH]	2,8 - 7,1	f = 10 kHz	Ieff = 1 mA
Wire resistance Rcu1; Rcu2; Rcu3 [mOhms]	0 - 5,5	RT = 25 °C	t = 2 s
HV strength between N1; N2; N3 / Iiso < 1 mA	OK - NOK	Up,eff = 2,5 kV	
	-		
	-		

4. Others	
Marking:	MAGNETEC MB-037-02 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:	Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information.

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

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

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