Magnetec	**Product specification for Inductive Components**	Form: Revision:	MF04.07 (F190) 02

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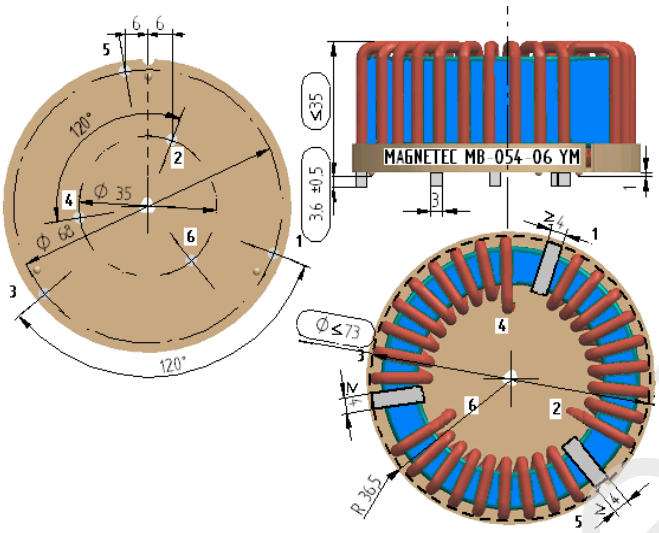
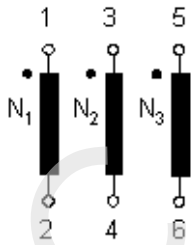
Client:	**MAGNETEC**	**Magnetec P/N:**	**MB-054**		
Client's p/n:	/	**PS Index:**	**06**	**PS Revision:**	06
Subject:	**EMC Component**				

1. Mechanical outline



Wiring diagram



Tolerance of pin distance: ±0,3mm
Position of cable tie terminal clip is on the lower side of the core's inner perimeter.

2. Nominal values

Core material:	**NANOPERM®**	High voltage strength:	**Up,eff = 2,5 kV**
Nominal voltage:	**440 Veff AC**	Ambient temperature:	**-40 ... +60 °C**
Nominal inductance:	**3 x 3,2 mH**	Max. operating temperature:	**°C**
Nominal current:	**27 A**	Storage temperature:	**-40 ... +85 °C**
Leakage inductances:	**ca. 9 µH**	Design standard:	**EN 60938-1**
No. of turns:	**N1 = N2 = N3 = 12**	Wire diameter:	**3 mm**
Comments:			

3. Inspection values (at room temperature, unless otherwise stated)

Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2; L3 [mH]	**1,6 - 4,6**	**f = 10 kHz**	**Ieff = 1 mA**
Wire resistance Rcu1; Rcu2; Rcu3 [mOhms]	**0 - 2,6**	**RT = 25°C**	
HV strength between N1; N2; N3 / Iiso<1mA	**OK - NOK**	**Up,eff = 2,5 kV**	**t = 2 s**
	-		
	-		

4. Others

Marking:	**MAGNETEC MB-054-06 YM (YM = Year/Month), acc. to IEC 62 5.1**
Packaging:	**6 pcs. per layer, 4 layers per carton box; PU = 24 pcs.**
Comments:	Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information.

Index / Rev.	Alteration	Date
04 / 01	Bumpons MT-013.02 v1 g=3	20.09.2001
05 / 02	Base plate MT-013.01 v3 g=3	26.09.2001
06 / 03	L1 / L2 / L3 = 1.6 - 4.6 mH; Rcu1 = Rcu2 = Rcu3 <= 2.6 mOhm	02.09.2002
06 / 04	New format; Base plate MT-013.02 v2 g=3	04.05.2012
06 / 05	Nr. of coils corrected	2015.06.10
06 / 06	Change to styrofoam free packaging	07.11.2017

Created:	Z. Palánki 07.11.2017	**Approved (Techn):**	F. Zámborszky 14.11.2017	**Approved (Quality):**	G. Zsák 14.11.2017	**Released:**	T. Trupp 14.11.2017

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