

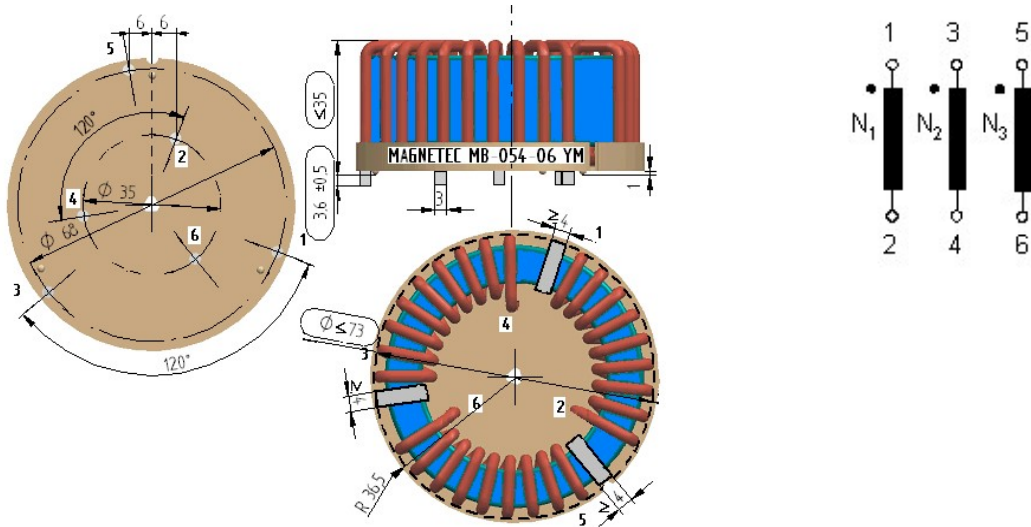
Product specification for Inductive Components

Form: MF04.07 (F190)
Revision: 01

Client:	MAGNETEC	Magnetec P/N:	MB-054	Magnetec A/N:	12113
Client's p/n:	/	PS Index:	06	PS Revision:	06
Subject:	EMC Component				

1. Mechanical outline

Wiring diagram



Tolerance of pin distance: $\pm 0,3\text{mm}$

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:	$U_{p,eff} = 2,5 \text{ kV}$
Nominal voltage:	440 Veff AC	Ambient temperature:	$-40 \dots +60 \text{ }^\circ\text{C}$
Nominal inductance:	$3 \times 3,2 \text{ mH}$	Max. operating temperature:	$^\circ\text{C}$
Nominal current:	27 A	Storage temperature:	$-40 \dots +85 \text{ }^\circ\text{C}$
Leakage inductances:	ca. $9 \mu\text{H}$	Design standard:	EN 60938-1
No. of turns:	$N_1 = N_2 = N_3 = 12$	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	$f = 10 \text{ kHz}$	$I_{eff} = 1 \text{ mA}$
Wire resistance Rcu1; Rcu2; Rcu3 [mOhms]	0 - 2,6	$RT = 25 \text{ }^\circ\text{C}$	
HV strength between N1; N2; N3 / liso < 1mA	OK - NOK	$U_{p,eff} = 2,5 \text{ kV}$	$t = 2 \text{ s}$
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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	Approved (Techn):	F. Záborszky	Approved (Quality):	G. Zsák	Released:	T. Trupp
	07.11.2017		14.11.2017		14.11.2017		14.11.2017

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