



## Product specification for Inductive Components

Form: MF04.07 (F190)  
Revision: 01

Client:	MAGNETEC GmbH	Magnetec P/N:	MB-016	Magnetec A/N:	12042
Client's p/n:	/	PS Index:	03	PS Revision:	02
Subject:	EMC Component				

1. Mechanical outline	Wiring diagram
Tolerance of pin distance: $\pm 0,3\text{mm}$	

2. Nominal values			
Core material:	NANOPERM®	High voltage strength:	$U_{p,eff} = 2,5 \text{ kV}$
Nominal voltage:	250 Veff AC	Ambient temperature:	$-40 \dots +80 \text{ }^\circ\text{C}$
Nominal inductance:	2 x 4 mH	Max. operating temperature:	$^\circ\text{C}$
Nominal current:	4 / 6* A	Storage temperature:	$-40 \dots +85 \text{ }^\circ\text{C}$
Leakage inductances:	$\sim 5 \mu\text{H}$	Design standard:	EN 60938-1
No. of turns:	$N1 = N2 = 10 \text{ turns}$	Wire diameter:	mm
Comments:	*forced cooling		

3. Inspection values (at room temperature, unless otherwise stated)			
Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2 [mH]	2,6 - 6,5	f = 10 kHz	$I_{eff} = 1 \text{ mA}$
Wire resistance Rcu1; Rcu2 [mOhms]	NA - 18,0	RT = 25 $^\circ\text{C}$	
HV strength between N1 and N2 / liso < 1mA	OK - NOK	$U_{p,eff} = 2,5 \text{ kV}$	t = 2 s
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4. Others	
Marking:	MAGNETEC MB-016-03 YM ( date of fabrication year / month )
Packaging:	60 pcs. per layer, 6 layers per carton box; PU = 360 pcs.
Comments:	Visit <a href="http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf">http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf</a> for further information.

Index / Rev.	Alteration	Date
01 / 00	Product Specification	09.06.2000
02 / 01	Case MT-008	31.08.2001
03 / 02	RoHS conform; Packaging; PU = 360 pcs.	26.04.2007

Created:	Á. Kovách 26.04.2007	Approved (Techn):	F. Záborszky 14.05.2007	Approved (Quality):	V. Kaposztas 14.05.2007	Released:	F. Rauscher 14.05.2007
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