



Product specification for Inductive Components

Form: MF04.07 (F190)
Revision: 01

Client:	MAGNETEC	Magnetec P/N:	MB-606	Magnetec A/N:	12731
Client's p/n:	/	PS Index:	01	PS Revision:	02
Subject:	EMC Component				

1. Mechanical outline	Wiring diagram

2. Nominal values			
Core material:	NANOPERM®	High voltage strength:	$U_{p,eff} = 2,5 \text{ kV}$
Nominal voltage:	250 Veff AC	Operating temperature:	$-40 \dots +70 \text{ }^\circ\text{C}$
Nominal inductance:	2 x 30 mH	Max. operating temperature:	$^\circ\text{C}$
Nominal current:	6,5 A	Storage temperature:	$-40 \dots +85 \text{ }^\circ\text{C}$
Leakage inductances:	ca. 24 μH	Design standard:	EN 60938-1
No. of turns:	$N1 = N2 = 22$	Wire diameter:	1 mm
Comments:			

3. Inspection values (at room temperature, unless otherwise stated)			
Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2 [mH]	19,3 - 43,1	f = 10 kHz	$U_{eff} = 0,1 \text{ V}$
Inductivity L1; L2 [mH]	6,1 - NA	f = 100 kHz	$U_{eff} = 0,1 \text{ V}$
Wire resistance Rcu1; Rcu2 [mOhms]	0 - 27	T = $23 \pm 3 \text{ }^\circ\text{C}$	
HV strength between N1; N2 / Iiso < 1mA	OK - NOK	$U_{eff} = 2,5 \text{ kV}$	t = 2 s
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4. Others	
Marking:	MAGNETEC MB-606-01 YM (YM = Year/Month), acc. to IEC 60062 6.1.1
Packaging:	30 pcs. per layer, 4 layers per carton box; PU = 120 pcs.
Comments:	Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information.

Index / Rev.	Alteration	Date
01 / 01	First issue	12.05.2015
01 / 02	Nominal current and leakage inductance correction	29.06.2018

Created:	Z. Palánki 29.06.2018	Approved (Techn):	F. Záborszky 04.07.2018	Approved (Quality):	R. Montvai 04.07.2018	Released:	F. Rauscher 09.07.2018
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