

FORM Identifier: F 190 Revision: 02 Page: 1/1	Product specification for Inductive Components	MAGNETEC GmbH Industriestrasse 7 D-63505 Langenselbold
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Client:	MAGNETEC	Magnetec P/N:	MB-003	Magnetec A/N:	12009
Client's p/n:	/	PS Index:	04	PS Revision:	03
Subject:	EMC Component			Type:	E

1.1 Mechanical outline 	Wiring diagram
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2. Nominal values			
Core material:	NANOPERM®	Wire Resistance:	$\leq 12,0$ mOhms
Nominal voltage:	250 V_{eff} AC	High voltage strength:	Up,eff = 2,5kV
Nominal inductance:	2 x 12 mH	Operating temperature:	-40 ... +60 °C
Nominal current:	10 A	Storage temperature::	-40 ... +85 °C
Leakage inductances:	ca. 9 μH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = 14	Wire diameter:	0,8 mm
Comments:			

3. Inspection values			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L 1; L2 [mH]	7,6 - 18,7	f = 10 kHz
	Wire resistance Rcu 1; Rcu2 [mOhms]	0 - 12	RT = 25 °C
	HV strength between N 1; N2 / liso <math>< 1</math>mA	OK - NOK	Up,eff = 2,5 kV
		-	l_{eff} = 1 mA
		-	t = 2 s

4. Others	
Marking:	MAGNETEC MB-003-04 YM (YM = Year/Month), acc. to IEC 62 5.1
Packaging:	30 pcs. per layer, 4 layers per carton box ; PU = 120 pcs.
Comments:	

Index / Rev.	Alteration	Date
04 / 00	Product Specification	04.09.2001
04 / 01	Spacer MT-019.03	29.09.2004
04 / 02	New format	08.05.2012
04 / 03	RCu limits corrected, picture and wiring diagram changed	15.08.2013

Created:	Z. Palánki	Approved (Techn):	F. Zámberszky	Approved (Quality):	J. Gulyás	Released:	T. Trupp
	15.08.2013		09.09.2013		09.09.2013		09.09.2013