

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-096	Magnetec A/N:	12358
Client's p/n:	/	PS Index:	03	PS Revision:	06
Subject:	EMC Component			Type:	E

1.1 Mechanical outline	Wiring diagram

2. Nominal values			
Core material:	NANOPERM®	Wire Resistance:	<= 12,1 mOhms
Nominal voltage:	250 Veff AC	High voltage strength:	Up,eff = 1,5 kV
Nominal inductance:	2 x 7,5 mH @ 10 kHz	Operating temperature:	-40 ... +60 °C
Nominal current:	12 A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. 30 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = 20	Wire diameter:	1,4 mm
Comments:			

3. Inspection values			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L1; L2 [mH]	4,6 - 11,6	f = 10 kHz Ieff = 1 mA
	Wire resistance Rcu1; Rcu2 [mOhms]	NA - 12,1	RT = 25 °C
	HV strength between N1 and N2 / Iiso < 1 mA	OK - NOK	Up,eff = 1,5 kV t = 2 s
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4. Others	
	Marking: MAGNETEC MB-096-03 YM (YM = Year/Month), acc. to IEC 62 5.1
	Packaging: 24 pcs. per layer, 4 layers per carton box; PU = 96 pcs.
	Comments:

Index / Rev.	Alteration	Date
02 / 01	Production Specification	13.06.2006
02 / 02	RoHS conform	30.06.2006
03 / 03	PU = 96 pcs.; L1 = L2 = 4,6 - 11.6mH	31.07.2006
03 / 04	New format	09.06.2011
03 / 05	Wire resistance <= 12,1 mOhms	09.01.2012
03 / 06	Wiring diagram corrected	08.05.2013

Created:	Z. Palánki	Approved (Techn):	F. Zámbořszky	Approved (Quality):	J. Gulyás	Released:	F. Rauscher
	08.05.2013		16.05.2013		16.05.2013		16.05.2013