

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-091	Magnetec A/N:	12562
Client's p/n:	/	PS Index:	05	PS Revision:	02
Subject:	EMC Component			Type:	E

1.1 Mechanical outline <p style="text-align: center;">Bottom view</p> <p style="text-align: center;">Pinning tolerance +/-0,3 mm</p>	Wiring diagram
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2. Nominal values			
Core material:	NANOPERM®	Wire Resistance:	≤ 1,8 mOhms
Nominal voltage:	440 Veff AC	High voltage strength:	Up,eff = 2,5 kV
Nominal inductance:	3 x 3,2 mH	Operating temperature:	-40 ... +60 °C
Nominal current:	30 A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. 3 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = N3 = 6	Wire diameter:	2,5 mm
Comments:			

3. Inspection values			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L1; L2; L3 [mH]	2,2 - 5,5	f = 10 kHz leff = 4 mA
	Wire resistance Rcu1; Rcu2; Rcu3 [mOhms]	NA - 1,8	RT = 25°C
	HV strength between N1; N2; N3 / liso < 1mA	OK - NOK	Up,eff = 2,5 kV t = 2 s
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4. Others	
Marking:	MAGNETEC MB-091-05 YM (YM = Year/Month), acc. to IEC 62 5.1
Packaging:	8 pcs. per layer, 4 layers per carton box; PU = 32 pcs.
Comments:	

Index / Rev.	Alteration	Date
04 / 01	Product Specification	08.08.2011
05 / 02	Choke pinning changed	30.11.2011

Created:	Zs. Eperjesi	Approved (Techn):	F. Zámorszky	Approved (Quality):	J. Gulyás	Released:	F. Rauscher
	30.11.2011		05.12.2011		12.12.2011		05.12.2011