

FORM Identifier: F 190 Revision: 01 Page: 1/1	Product specification for Inductive Components	MAGNETEC GmbH Industriestrasse 7 D-63505 Langenselbold
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Client:	MAGNETEC GmbH	Magnetec P/N:	MB-005	Magnetec A/N:	12007
Client's p/n:	/	PS Index:	06	PS Revision:	02
Subject:	EMC Component			Type:	E

1.1 Mechanical outline 	1.2 Wiring diagram <p>Wire diameter 1,0 mm</p> <p> <input checked="" type="checkbox"/> Date code acc. to IEC 62 5.1 (YM) <input type="checkbox"/> Date code acc. to IEC 62 5.2 (YW) <input checked="" type="checkbox"/> RoHS compliant acc. to 2002/95/EC </p>
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2. Nominal values			
Core material:	NANOPERM®	Wire Resistance:	$\leq 4,0$ mOhms
Nominal voltage:	250 Veff AC	High voltage strength:	Up,eff = 2,5 kV
Nominal inductance:	2 x 2,5 mH	Operating temperature:	-40 ... +60 °C
Nominal current:	25* A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. 5 μ H	Standard:	EN 60938-1
Comments:	N1 = N2 = 7 turns * Forced air cooling assumed		

3. Inspection values			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L1; L2 [mH]	1,9 - 4,7	f = 10kHz
	Wire resistance Rcu1; Rcu2 [mOhms]	NA - 4,0	RT = 25°C
	HV strength between N1 and N2 / Iiso <math>< 1</math> mA	OK - NOK	Up,eff = 2,5 kV
		-	t = 2s
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4. Others	
Marking:	"MAGNETEC MB-005-06 YM" (YM date of fabrication year /month)
Packaging:	30 pcs. per layer, 4 layers per carton box; PU = 120 pcs.
Comments:	

Index / Rev.	Alteration	Date
05 / 00	Product Specification	04.09.2001
06 / 01	Separator MT-019.03, coil direction and equivalence check, tin and flux change;	18.10.2004
06 / 02	New format, RoHS conform	08.06.2011

Created:	Zs. Eperjesi 08.06.2011	Approved (Techn):	F. Záborszky 15.06.2011	Approved (Quality):	J. Gulyas 22.07.2011	Released:	F. Rauscher 22.07.2011
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