

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	Magnetec P/N:	MB-397	Magnetec A/N:	83118
Client's p/n:	-	PS Index:	01S	PS Revision:	01
Subject:	EMC Component			Type:	E

1.1 Mechanical outline 	1.2 Wiring diagram <p>Wire diameter 2,8 mm</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
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PRELIMINARY SPECIFICATION

2. Nominal values			
Core material:	NANOPERM®	Wire Resistance:	$\leq 1,3 \text{ mOhms}$
Nominal voltage:	600 Veff AC	High voltage strength:	Up,eff = 2,25 kV
Nominal inductance:	4 x 1,4 mH	Operating temperature:	-40... +70 °C
Nominal current:	40* A	Storage temperature::	-40 ... +85 °C
Leakage inductances:	ca. ? μH	Standard:	EN 60938-1
Comments:	N1 = N2 = N3 = N4 = 6 turns * forced air cooling assumed		

3. Inspection values			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L1;L2;L3;L4 [mH]	1 - 2,5	f = 10 kHz leff = 4 mA
	Inductivity L1;L2;L3;L4 [mH]	0,22 - 0,6	f = 100 kHz leff = 4 mA
	HV strength between N 1; N2; N3; N4 / liso < 1mA	OK - NOK NA - 1,3	t = 1 s AQL 1 S-4
	Wire resistance Rcu1;Rcu2;Rcu3;Rcu4 [mOhms]	OK - NOK	RT = 20 °C AQL 1 S-4
	Mechanical test [mm]		

4. Others	
Marking:	MAGNETEC MB-397-01 YM SAMPLE (date of fabrication year / month)
Packaging:	pcs. per layer, layers per carton box; PU = pcs.
Comments:	Base plate: FR4

Index / Rev.	Alteration	Date
01S / 01	Sample Specification	14.06.2011

Created:	Zs. Eperjesi 14.06.2011	Approved (Techn):		Approved (Quality):		Released:	
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