

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-394	Magnetec A/N:	83115
Client's p/n:	-	PS Index:	01S	PS Revision:	01
Subject:	EMC Component			Type:	E

1.1 Mechanical outline <p style="text-align: center;">PRELIMINARY SPECIFICATION</p>	1.2 Wiring diagram <p style="text-align: center;">Wire diameter 1,4 mm</p> <ul style="list-style-type: none"> <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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2. Nominal values			
Core material:	NANOPERM®	Wire Resistance:	<= 9,4 mOhms
Nominal voltage:	600 Veff AC	High voltage strength:	Up,eff = 2,25 kV
Nominal inductance:	4 x 6,91 mH	Operating temperature:	-40... +70 °C
Nominal current:	12* A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. ? μH	Standard:	EN 60938-1
Comments:	N1 = N2 = N3 = N4 = 13 turns		
	* forced air cooling assumed		

3. Inspection values			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L1;L2;L3;L4 [mH]	4,6 - 11,6	f = 10 kHz Ieff = 2 mA
	Inductivity L1;L2;L3;L4 [mH]	1,2 - 2,6	f = 100 kHz Ieff = 2 mA
	HV strength between N 1; N2; N3; N4 / Iiso < 1mA	OK - NOK	Up,eff = 2,25 kV t = 1 s
	Wire resistance Rcu1;Rcu2;Rcu3;Rcu4 [mOhms]	NA - 9,4	RT = 20 °C
	Mechanical test [mm]	OK - NOK	AQL 1 S-4 AQL 1 S-4

4. Others	
Marking:	MAGNETEC MB-394-01 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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