

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-618	Magnetec A/N:	12739
Client's p/n:	/	PS Index:	01	PS Revision:	02
Subject:	EMC Component			Type:	

1.1 Mechanical outline	Wiring diagram
Minimal creepage distance is 3 mm, minimal clearance distance is 2,5 mm.	

2. Nominal values			
Core material:	NANOPERM®	Wire Resistance:	<= 23 mOhms
Nominal voltage:	250 V_{eff} AC	High voltage strength:	U_{p,eff} = 2,5 kV
Nominal inductance:	2 x 5 mH	Operating temperature:	-40 ... +70 °C
Nominal current:	4,5 A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. 5 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = 12	Wire diameter:	0,63 mm
Comments:			

3. Inspection values			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L 1; L2 [mH]	3,32 - 7,40	f = 10 kHz U _{eff} = 0,1 V
	Inductivity L 1; L2 [mH]	1,05 - NA	f = 100 kHz U _{eff} = 0,1 V
	Wire resistance R _{cu} 1; R _{cu} 2 [mOhms]	0 - 23	T = 23±3°C
	HV strength between N 1; N2 / I _{iso} <1mA	OK - NOK	U _{eff} = 2,5 kV t = 2 s
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4. Others	
	Marking: MAGNETEC MB -618-01 YM (YM = Year/Month), acc. to IEC 60062 6.1.1 Packaging: 60 pcs. per layer, 5 layers per carton box ; PU = 300 pcs. Comments:

Index / Rev.	Alteration	Date
01 / 01	First issue	16.06.2015
01 / 02	Minimal creepage and clearance distance given on the datasheet	09.07.2015

Created:	Z. Palánki	Approved (Techn):	F. Záborszky	Approved (Quality):	J. Gulyás	Released:	T. Trupp
	09.07.2015		06.08.2015		06.08.2015		06.08.2015