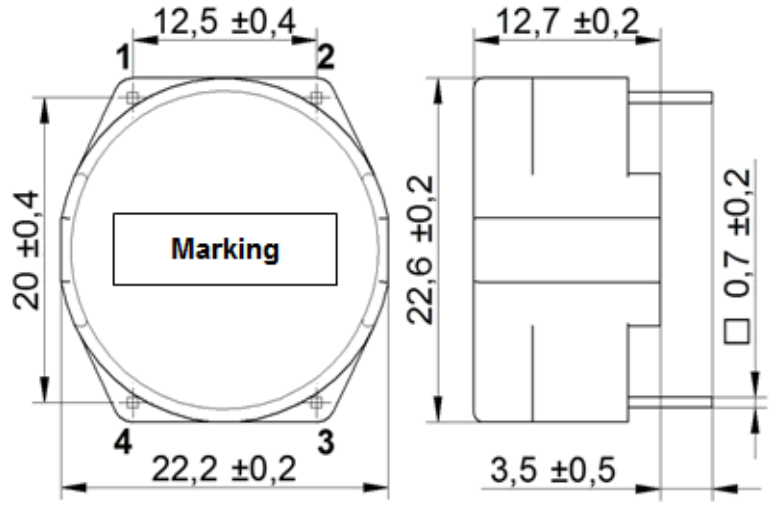
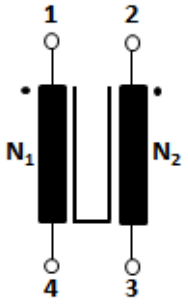
FORM Identifier: F 190 Revision: 02 Page: 1/1	Product specification for Inductive Components	MAGNETEC GmbH Industriestrasse 7 D-63505 Langenselbold

Client:	MAGNETEC	Magnetec P/N:	MB-690	Magnetec A/N:	12744
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:	<= 85 mOhms
Nominal voltage:	250 Veff AC	High voltage strength:	Up,eff = 2,5 kV
Nominal inductance:	2 x 20 mH	Operating temperature:	-40 ... +70 °C
Nominal current:	2 A	Storage temperature::	-40 ... +85 °C
Leakage inductances:	ca. 19 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = 24	Wire diameter:	0,45 mm
Comments:			

3. Inspection values

Measured value	Measuring limits	Measuring configurations	
Inductivity L 1; L2 [mH]	13,3 - 29,6	f = 10 kHz	Ueff = 0,1 V
Inductivity L 1; L2 [mH]	4,3 - NA	f = 100 kHz	Ueff = 0,1 V
Wire resistance Rcu 1; Rcu2 [mOhms]	0 - 85	T = 23±3°C	
HV strength between N 1; N2 / Iiso<1mA	OK - NOK	Ueff = 2,5 kV	t = 2 s
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4. Others

Marking:	MAGNETEC MB-690-01 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 clearence distance given on the datasheet	09.07.2015

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