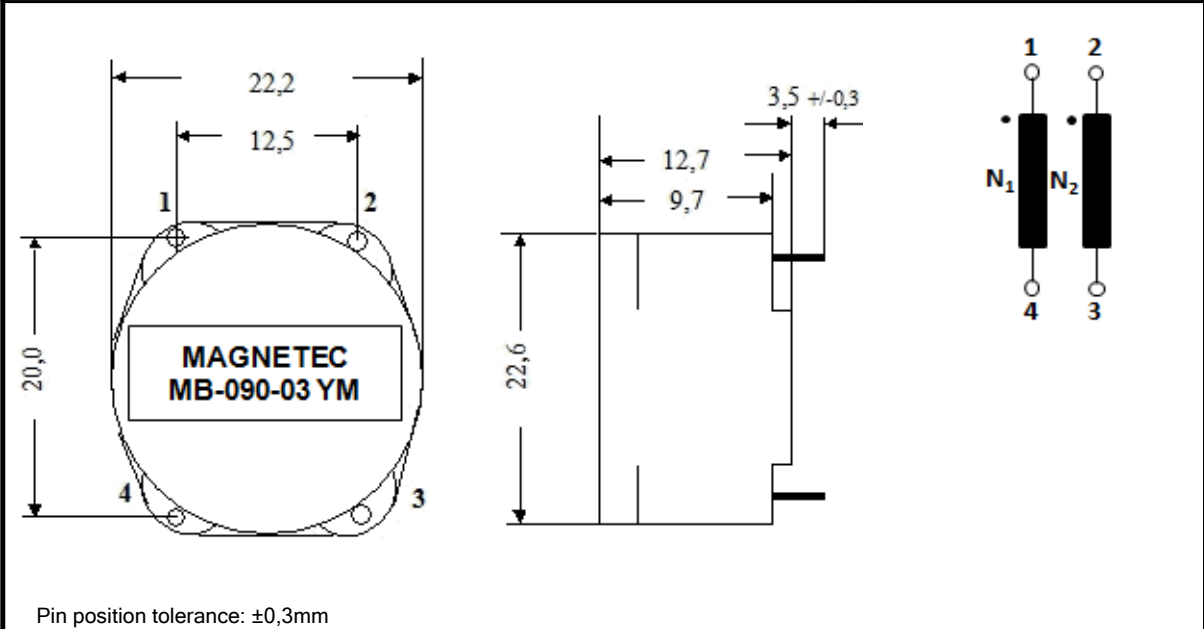


FORM Identifier: F 190 Revision: 02 Page: 1/1	Product specification for Inductive Components	MAGNETEC GmbH Industriestrasse 7 D-63505 Langenselbold
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Client: MAGNETEC	Magnetec P/N: MB-090	Magnetec A/N: 12108
Client's p/n: /	PS Index: 03	PS Revision: 03
Subject: EMC Component	Type: E	

1.1 Mechanical outline	Wiring diagram
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Pin position tolerance: $\pm 0,3\text{mm}$

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 25 mH @ 10 kHz	Operating temperature:	-40 ... +50 °C
Nominal current:	2,6* A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. 12 μH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = 24	Wire diameter:	0,45 mm
Comments:	* Forced cooling assumed . Pins: 0,7mm square shape		

3. Inspection values

Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2 [mH]	14,8 - 32,0	f = 10 kHz	Ieff = 1 mA
Wire resistance Rcu1; Rcu2 [mOhms]	NA - 85,0	RT = 25 °C	
HV strength between N1; N2 / Iiso < 1mA	OK - NOK	Up,eff = 2,5 kV	t = 2 s
	-		
	-		

4. Others

	Marking:	MAGNETEC MB-090-03 YM (YM = Year/Month), acc. to IEC 62 5.1
	Packaging:	60 pcs. per layer, 5 layers per carton box; PU = 300 pcs.
	Comments:	

Index / Rev.	Alteration	Date
02 / 01	N = 24 turns; Rcu ≤ 85 mOhm; L = 17,2 - 32,0 mH	27.06.2001
03 / 02	L = 14,8 - 32,0 mH	21.02.2002
03 / 03	LN format	25.02.2013

Created:	Z. Palánki	Approved (Techn):	F. Záborszky	Approved (Quality):	J. Gulyas	Released:	F. Rauscher
	25.02.2013		16.05.2013		16.05.2013		16.05.2013