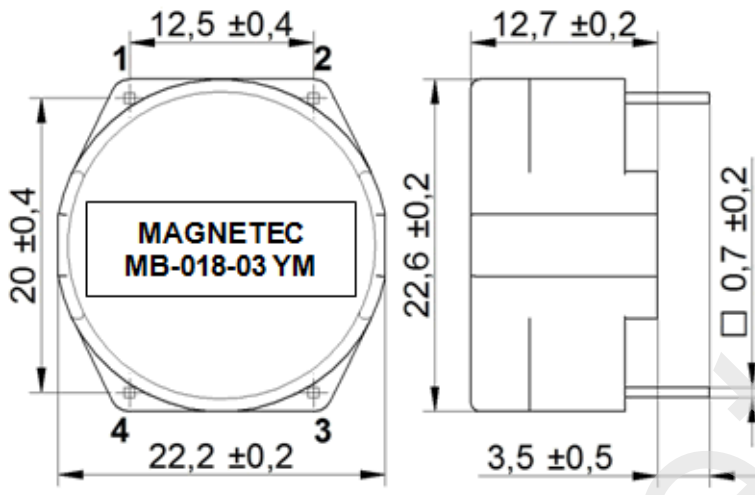
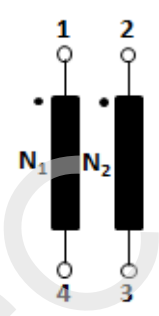


CONFIDENTIAL - Reproduction, publication and dissemination of this publication, enclosures hereto and the information contained therein is prohibited without MAGNETEC's prior written consent.

Client:	MAGNETEC	Magnetec P/N:	MB-018		
Client's p/n:	/	PS Index:	03	PS Revision:	03
Subject:	EMC Component				

1. Mechanical outline	Wiring diagram
 Top view dimensions: 12,5 ±0,4, 20 ±0,4, 22,2 ±0,2, 12,7 ±0,2, 22,6 ±0,2, 3,5 ±0,5, 0,7 ±0,2. Side view dimensions: 22,6 ±0,2, 3,5 ±0,5, 0,7 ±0,2. Detail view dimensions: 0,7 ±0,2. Label: MAGNETEC MB-018-03 YM	 Wiring diagram showing two coils with terminals 1, 2, 3, 4 and labels N1, N2.

2. Nominal values			
Core material:	NANOPERM®	High voltage strength:	Up,eff = 2,5 kV
Nominal voltage:	250 Veff AC	Ambient temperature:	-40 ... +60 °C
Nominal inductance:	2 x 6,8 mH @ 10 kHz	Max. operating temperature:	°C
Nominal current:	4 A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. 8 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = 12	Wire diameter:	0,63 mm
Comments:			

3. Inspection values (at room temperature, unless otherwise stated)			
Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2 [mH]	3,7 - 9,3	f = 10 kHz	Ieff = 1 mA
Wire resistance Rcu1; Rcu2 [mOhms]	0 - 23	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-018-03 YM (YM = Year/Month), acc. to IEC 62 5.1
Packaging:	60 pcs. per layer, 5 layers per carton box; PU = 300 pcs.
Comments:	Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information.

Index / Rev.	Alteration	Date
01 / 00	Product Specification	27.06.2001
02 / 01	L1, L2 = 3,7 - 9,3 mH; Rcu1, Rcu2 ≤ 23 mOhm	10.06.2002
03 / 02	RoHS conform	06.02.2006
03 / 03	LN format, drawing changed: tolerances added	05.06.2013

Created:	Z. Palánki	Approved (Techn):	F. Zámboreszky	Approved (Quality):	J. Gulyas	Released:	F. Rauscher
	05.06.2013		07.08.2013		12.08.2013		12.08.2013

CONFIDENTIAL - Reproduction, publication and dissemination of this publication, enclosures hereto and the information contained therein is prohibited without MAGNETEC's prior written consent. Disclosing the specification to third parties or using its content without written permission from MAGNETEC is strictly forbidden and every offender is liable to pay the corresponding damages.