

FORM Identifier: F 190 Revision: 01 Page: 1/1	Product specification for Inductive Components	MAGNETEC GmbH Industriestrasse 7 D-63505 Langenselbold
---	---	---

Client:	MAGNETEC GmbH	Magnetec P/N:	MB-184	Magnetec A/N:	12464
Client's p/n:	/	PS Index:	02	PS Revision:	01
Subject:	EMC Component			Type:	E

1.1 Mechanical outline 	1.2 Wiring diagram
-----------------------------------	-------------------------------

2. Nominal values			
Core material:	NANOPERM®	Wire Resistance:	<math>\leq 2,5 \text{ mOhms}</math>
Nominal voltage:	250 V_{eff}	High voltage strength:	1,5 kV_{eff}
Nominal inductance:	2 x 3,0 mH	Operating temperature:	-20 ... +50 °C
Nominal current:	16 A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	~ 2,5 μH	Standard:	EN 60938-1
Comments:	N1 = N2 = 7 turns		

3. Inspection values			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L1; L2 [mH]	2,0 - NA	f = 10 kHz
	Wire resistance Rcu1; Rcu2 [mOhms]	NA - 2,5	@ RT = 25°C
	HV strength between N1; N2 / liso < 1mA [kV]	OK - NOK	Up,eff = 1,5 kV
		-	leff = 1mA
		-	t = 2 s

4. Others	
Marking:	MAGNETEC MB-184-02 YM (Y= production year; M=month)
Packaging:	30 pcs. per layer, 4 layers per carton box; PU = 120 pcs.
Comments:	

Index / Rev.	Alteration	Date
02S / 01	N1 = N2 = 7 turns; Lnom = 3,0mH; L ≥ 2,0mH @ 10 kHz	18.04.2008
02 / 01	Product Specification	07.01.2009

Created:	Á. Kovách 07.01.2009	Approved (Techn):	F. Zámbořszky 20.01.2009	Approved (Quality):	V. Káposztas 20.01.2009	Released:	F. Rauscher 20.01.2009
-----------------	-------------------------	--------------------------	-----------------------------	----------------------------	----------------------------	------------------	---------------------------