

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-033	Magnetec A/N:	12211
Client's p/n:	/	PS Index:	02	PS Revision:	03
Subject:	EMC Component			Type:	E

1.1 Mechanical outline	Wiring diagram

2. Nominal values			
Core material:	NANOPERM®	Wire Resistance:	≤ 2 mOhms
Nominal voltage:	250 Veff AC	High voltage strength:	Up,eff = 2,5 kV
Nominal inductance:	2 x 1 mH @ 10 kHz	Operating temperature:	-40 ... +50 °C
Nominal current:	30 A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. 2 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = 4	Wire diameter:	2x 1,4 mm
Comments:			

3. Inspection values			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L 1; L2 [mH]	0,6 - 1,5	f = 10 kHz Ieff = 1 mA
	Wire resistance Rcu 1; Rcu2 [mOhms]	NA - 2,0	RT = 25 °C
	HV strength between N 1 and N2 / Iiso < 1mA	OK - NOK	Up,eff = 2,5 kV t = 2 s
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4. Others	
	Marking: MAGNETEC MB-033-02 YM (YM = Year/Month), acc. to IEC 62 5.1
	Packaging: 30 pcs. per layer, 4 layers per carton box; PU = 120 pcs.
	Comments:

Index / Rev.	Alteration	Date
01 / 00	Product Specification	29.09.2003
02 / 01	Separator: MT-019.03, tin and flux change, BoM modified	25.10.2004
02 / 02	LN format	15.02.2013
02 / 03	Wiring diagram corrected	08.04.2013

Created:	Z. Palánki	Approved (Techn):	F. Záborszky	Approved (Quality):	J. Gulyas	Released:	F. Rauscher
	08.04.2013		18.04.2013		18.04.2013		18.04.2013