



## Product specification for Inductive Components

Form: MF04.07 (F190)  
Revision: 01

Client:	MAGNETEC	Magnetec P/N:	MB-033	Magnetec A/N:	12211
Client's p/n:	/	PS Index:	02	PS Revision:	04
Subject:	EMC Component				

<p><b>1. Mechanical outline</b></p>	<p><b>Wiring diagram</b></p>
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2. Nominal values			
Core material:	NANOPERM®	High voltage strength:	$U_{p,eff} = 2,5 \text{ kV}$
Nominal voltage:	250 Veff AC	Ambient temperature:	-40 ... +50 °C
Nominal inductance:	2 x 1 mH @ 10 kHz	Max. operating temperature:	°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 (at room temperature, unless otherwise stated)			
Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2 [mH]	0,6 - 1,5	f = 10 kHz	$I_{eff} = 1 \text{ mA}$
Wire resistance Rcu1; Rcu2 [mOhms]	NA - 2,0	RT = 25 °C	
HV strength between N1 and N2 / liso < 1mA	OK - NOK	$U_{p,eff} = 2,5 \text{ kV}$	t = 2 s
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4. Others	
Marking:	MAGNETEC MB-033-02 YM (YM = Year/Month), acc. to IEC 60062:2004 6.1.1
Packaging:	30 pcs. per layer, 4 layers per carton box; PU = 120 pcs.
Comments:	Visit <a href="http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf">http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf</a> for further information.

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

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