



Product specification for Inductive Components

Form: MF04.07 (F190)
Revision: 01

Client:	MAGNETEC GmbH	Magnetec P/N:	MB-007	Magnetec A/N:	12011
Client's p/n:	/	PS Index:	02	PS Revision:	04
Subject:	EMC Component				

<p>1. Mechanical outline</p> <p>Dimensions: 15,2, 25,4, 15,2, 7, 8, 5, 6, 3, 4, 2, 1, 15,2, 25,4, 3, 19, 35,5, 3,5⁺⁰/_{0,5}, 34, 165, 15,24, 254.</p> <p>Marking: </p>	<p>Wiring diagram</p> <p>Terminals: 1, 2, 3, 4, 5, 6, 7, 8</p> <p>Windings: N₁, N₂</p>
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2. Nominal values			
Core material:	NANOPERM®	High voltage strength:	U _{p,eff} = 2,5 kV
Nominal voltage:	250 V _{eff} AC	Operating temperature:	-40 ... +60 °C
Nominal inductance:	2 x 6 mH	Max. operating temperature:	°C
Nominal current:	16 A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. 5 µH	Design standard:	EN 60938-1
No. of turns:	N ₁ = N ₂ = 10	Wire diameter:	2x 1,12 mm
Comments:			

3. Inspection values (at room temperature, unless otherwise stated)			
Measured value	Measuring limits	Measuring configurations	
Inductivity L ₁ ; L ₂ [mH]	4,0 - 9,5	f = 10 kHz	I _{eff} = 1 mA
Wire resistance R _{cu1} ; R _{cu2} [mOhms]	NA - 6,0	T=23±3 °C	
HV strength between N ₁ ; N ₂ / I _{iso} <1mA	OK - NOK	U _{eff} = 2,5 kV	t = 2 s
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4. Others	
Marking:	MAGNETEC MB-007-02 YM (YM = Year/Month), acc. to IEC 60062 6.1.1
Packaging:	30 pcs. per layer, 4 layers per carton box; PU = 120 pcs.
Comments:	Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information.

Index / Rev.	Alteration	Date
02 / 00	Product Specification	19.01.2004
02 / 01	Separator MT-019.03	29.09.2004
02 / 02	New format	09.06.2011
02 / 03	Wire diameter correction: 2x 1,12mm	06.07.2015
02 / 04	Hole pattern added	25.07.2018

Created:	Z. Palánki	Approved (Techn):	F. Zámbořszky	Approved (Quality):	R. Montvai	Released:	T. Trupp
	25.07.2018		24.09.2018		25.07.2018		25.09.2018

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