



Product specification for Inductive Components

Form: MF04.07 (F190)
Revision: 01

Client:	MAGNETEC	Magnetec P/N:	MB-022	Magnetec A/N:	12057
Client's p/n:		PS Index:	02	PS Revision:	05
Subject:	EMC COMPONENT				

1. Mechanical outline	Wiring diagram

2. Nominal values			
Core material:	NANOPERM®	High voltage strength:	Up,eff= 2,5 kV
Nominal voltage:	250 Veff AC	Ambient temperature:	-40 ... +50 °C
Nominal inductance:	2 x 0,33 @100kHz mH	Max. operating temperature:	°C
Nominal current:	8,5 A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. 4 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = 8	Wire diameter:	1 mm
Comments:			

3. Inspection values (at room temperature, unless otherwise stated)			
Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2 [mH]	0,57 - 1,09	I _{eff} = 1,5 mA	f = 10 kHz
Inductivity L1; L2 [mH]	0,26 - 0,5	I _{eff} = 1,5 mA	f = 100 kHz
Wire resistance R _{cu1} ; R _{cu2} [mOhms]	0 - 8,5	T=23±3 °C	
HV strength between N1; N2 / I _{iso} <1mA	OK - NOK	U _{eff} = 2,5 kV	t = 2 s
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4. Others	
Marking:	MAGNETEC MB-022-02 YM (YM = Year/Month), acc. to IEC 60062 6.1.1
Packaging:	21 pcs. per layer, 4 layers per carton box; PU = 84 pcs.
Comments:	Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information.

Index / Rev.	Alteration	Date
01S / 00	Sample	19.05.2000
01 / 00	Product Specification	15.01.2001

01 / 01	Packaging PU = 150 pcs.	16.05.2001
02 / 02	Core: M-243; LN1 = LN2 = 0,26 mH - 0,5mH @ 100 kHz	16.02.2004
02 / 03	New format; RoHS conform; PU = 120 pcs.	09.03.2007
02 / 04	Wire diameter given and wiring diagram changed	11.12.2014
02 / 05	10kHz inductance limits defined, PU change	30.09.2016

Created:	Z. Palánki	Approved (Techn):	F. Záborszky	Approved (Quality):	L. Ferencz	Released:	T. Trupp
	30.09.2016		10.10.2016		10.10.2016		10.10.2016

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