



Product specification for Inductive Components

Form: MF04.07 (F190)
Revision: 01

Client:	MAGNETEC	Magnetec P/N:	MB-034	Magnetec A/N:	12192
Client's p/n:		PS Index:	02	PS Revision:	05
Subject:	EMC Component				

1. Mechanical outline	Wiring diagram
Pin position tolerance: $\pm 0,3\text{mm}$	

2. Nominal values			
Core material:	NANOPERM®	High voltage strength:	$U_{p,eff} = 1,5 \text{ kV}$
Nominal voltage:	250 Veff AC	Ambient temperature:	$-20 \dots +50 \text{ }^\circ\text{C}$
Nominal inductance:	$2 \times 0,9 \text{ mH @ } 10 \text{ kHz}$	Max. operating temperature:	$^\circ\text{C}$
Nominal current:	15 A	Storage temperature:	$-40 \dots +85 \text{ }^\circ\text{C}$
Leakage inductances:	ca. $2 \mu\text{H}$	Design standard:	EN 60938-1
No. of turns:	$N_1 = N_2 = 4$	Wire diameter:	1,18 mm
Comments:			

3. Inspection values (at room temperature, unless otherwise stated)			
Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2 [mH]	0,65 - NA	$f = 10 \text{ kHz}$	$I_{eff} = 1 \text{ mA}$
Wire resistance Rcu1; Rcu2 [mOhms]	NA - 3,1	$RT = 25 \text{ }^\circ\text{C}$	
HV strength between N1; N2 / liso < 1mA	OK - NOK	$U_{p,eff} = 1,5 \text{ kV}$	$t = 2 \text{ s}$
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4. Others	
Marking:	MAGNETEC MB-034-02 YM (YM = Year/Month), acc. to IEC 60062 6.1.1
Packaging:	60 pcs. per layer, 5 layers per carton box; PU = 300 pcs.
Comments:	Edge protector foil can be white or yellow. Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information.

Index / Rev.	Alteration	Date
01 / 00	Production Specification	03.03.2003
02 / 01	$L \geq 0,65\text{mH @ } 10 \text{ kHz}; R_{cu} \leq 3,1\text{mOhm @ } RT; N = 4 \text{ turns}$	16.06.2003
02 / 02	New format	23.05.2012
02 / 03	PU = 300 pcs.	26.11.2012
02 / 04	Pin position tolerance defined	26.03.2013
02 / 05	Edge protector foil added, drawings updated	27.07.2017

Created:	Z. Palánki	Approved	F. Záborszky	Approved	G. Zsák	Released:	T. Trupp
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	27.07.2017	(Techn):	09.08.2017	(Quality):	09.08.2017		09.08.2017
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