



Product specification for Inductive Components

Form: MF04.07 (F190)
Revision: 01

Client:	MAGNETEC	Magnetec P/N:	MB-039	Magnetec A/N:	12065
Client's p/n:	/	PS Index:	04	PS Revision:	09
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:	x	Max. operating temperature:	°C
Nominal current:	8,5 A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	~ 20 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = 22	Wire diameter:	1,12 mm
Comments:			

3. Inspection values (at room temperature, unless otherwise stated)			
Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2 [mH]	25 - 44	f = 10 kHz	Ieff = 1 mA
Wire resistance Rcu1; Rcu2 [mOhms]	0 - 21	RT = 25 °C	
HV strength between N1 and N2 / Iiso < 1mA	OK - NOK	Up,eff = 2,5 kV	t = 2 s
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4. Others	
Marking:	MAGNETEC MB-039-04 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
02 / 04	Rcu1 = Rcu2 <= 21 mOhms	07.04.2002
03 / 05	RoHS conform; L1 = L2 = 6,5mH - 11,6mH @ 100kHz	24.10.2005

03 / 06	New format	22.05.2007
04 / 07	10 kHz measuring point added, depth changed in acc. with the drawing	17.07.2015
04 / 08	Packaging change	30.09.2016
04 / 09	Removing of 100 kHz inspection value	23.08.2021

Created:	E. Celan	Approved (Techn):	A. Osipov	Approved (Quality):	V. Coceban	Released:	B. Kessler
	2021.08.23		2021.12.10		20.09.2021		10.12.2021

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