

FORM Identifier: F 190 Revision: 02 Page: 1/1	Product specification for Inductive Components	MAGNETEC GmbH Industriestrasse 7 D-63505 Langenselbold
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Client:	MAGNETEC	Magnetec P/N:	MB-039	Magnetec A/N:	12065
Client's p/n:	/	PS Index:	04	PS Revision:	08
Subject:	EMC Component			Type:	

1.1 Mechanical outline	Wiring diagram

2. Nominal values			
Core material:	NANOPERM®	Wire Resistance:	<= 21,0 mOhms
Nominal voltage:	250 Veff AC	High voltage strength:	Up,eff = 2,5 kV
Nominal inductance:	2 x 8,0 mH @ 100 kHz	Operating temperature:	-40 ... +50 °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			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L1; L2 [mH]	25 - 44	f = 10 kHz Ieff = 1 mA
	Inductivity L1; L2 [mH]	6,5 - 11,6	f = 100 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:

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

Created:	Z. Palánki	Approved (Techn):	F. Záborszky	Approved (Quality):	L. Ferencz	Released:	T. Trupp
	30.09.2016		20.10.2016		20.10.2016		21.10.2016