

FORM Identifier: F 190 Revision: 02 Page: 1/1	Product specification for Inductive Components	MAGNETEC GmbH Industriestrasse 7 D-63505 Langenselbold
---	--	---

Client:	MAGNETEC	Magnetec P/N:	MB-056	Magnetec A/N:	12221
Client's p/n:	/	PS Index:	03	PS Revision:	04
Subject:	EMC Component			Type:	

1.1 Mechanical outline	Wiring diagram
<p> $15 \pm 0,5$, $0,75$, 115, ≥ 4, $10 \pm 0,1$, 2, ≤ 52, 9, 9, 30, $3 \times 120^\circ$, $3 \times 120^\circ$, $\varnothing 90$, Marking </p>	<p> 1, 2, 3, 4, 5, 6, N_1, N_2, N_3 </p>
<p>Middle hole is used for positioning, so the area above must remain free!</p>	

2. Nominal values			
Core material:	NANOPERM®	Wire Resistance:	$\leq 1,3$ mOhms
Nominal voltage:	440 Veff AC	High voltage strength:	Up,eff = 2,5 kV
Nominal inductance:	3 x 3,6 mH	Operating temperature:	-40 ... +60 °C
Nominal current:	60/80* A	Storage temperature::	-40 ... +85 °C
Leakage inductances:	~15 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = N3 = 13	Wire diameter:	5*32*0,4 mm
Comments:	* forced cooling assumed		

3. Inspection values			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L 1; L2; L3 [mH]	2 - 5,6	10 kHz
	Wire resistance Rcu 1; Rcu2; Rcu3 [mOhms]	0 - 1,3	25 °C
	HV strength between N 1; N2; N3 / liso < 1mA	OK - NOK	2,5 kV
		-	1 mA
		-	2 s

4. Others	
	Marking: MAGNETEC MB -056-03 YM (YM = Year/Month), acc. to IEC 62 5.1 Packaging: 2 pcs. per layer, 2 layers per carton box ; PU = 4 pcs. Comments: Marking in two lines on the outer arc in the middle of two holes within a 60° sector.

Index / Rev.	Alteration	Date
03 / 00	Product specification	14.04.2004
03 / 01	LN format, height change	06.02.2013
03 / 02	Pin diameter and drawings changed	06.02.2014
03 / 03	Middle hole criterion added	25.03.2016
03 / 04	Change to styrofoam free packaging	26.10.2017

Created:	Z. Palánki	Approved (Techn):	F. Zámorszky	Approved (Quality):	G. Zsák	Released:	T. Trupp
	26.10.2017		03.11.2017		03.11.2017		06.11.2017