

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-656	Magnetec A/N: 84265
Client's p/n: /	PS Index: 02S	PS Revision: 02
Subject: EMC Component	Type:	

Preliminary datasheet: This document is strictly confidential ! It is subject to change without prior notice !

1.1 Mechanical outline	Wiring diagram

2. Nominal values			
Core material:	NANOPERM®	Wire Resistance:	$\leq 1,35$ mOhms
Nominal voltage:	440 V _{eff} AC	High voltage strength:	U _{p,eff} = 2,5 kV
Nominal inductance:	3 x 3,5 mH	Operating temperature:	-40 ... +70 °C
Nominal current:	60 A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	~17 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = N3 = 13	Wire diameter:	2x 3,35 mm
Comments:			

3. Inspection values			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L 1; L2; L3 [mH]	2,3 - 5,1	f = 10 kHz U _{eff} = 0,1 V
	Inductivity L 1; L2; L3 [mH]	1,5 - NA	f = 100 kHz U _{eff} = 0,1 V
	Wire resistance R _{cu} 1; R _{cu} 2; R _{cu} 3 [mOhms]	0 - 1,35	T = 23±3°C
	HV strength between N 1; N2 and N3	OK - NOK	U _{eff} = 2,5 kV t = 2 s
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4. Others	
	Marking: MAGNETEC MB-656-01 YM SAMPLE (YM = Year/Month), acc. to IEC 60062 6.1.1
	Packaging: pcs. per layer, layers per carton box; PU = pcs.
	Comments:

Index / Rev.	Alteration	Date
01S / 01	Sample	12.02.2016
02S / 02	Wire diameter increased	29.04.2016

Created:	Z. Palánki	Approved (Techn):		Approved (Quality):		Released:	
	29.04.2016						