

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-426	Magnetec A/N: 12674
Client's p/n: /	PS Index: 04	PS Revision: 04
Subject: EMC Component	Type:	

1.1 Mechanical outline	Wiring diagram
<p>Pin position tolerance: $\pm 0,3\text{mm}$ Distance between the coils $\ge 5,5\text{mm}$ Distance from the wire over the border of the baseplate of the choke to the PCB $\ge 5,5\text{mm}$</p>	

2. Nominal values			
Core material:	NANOPERM®	Wire Resistance:	$\le 0,95\text{ mOhms}$
Nominal voltage:	580 Veff AC	High voltage strength:	Up,eff = 4 kV
Nominal inductance:	3 x 161 μH @ 100kHz	Operating temperature:	-40... +70 °C
Nominal current:	64* A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. 4.5 μH @ 100kHz	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = N3 = 5	Wire diameter:	2x 2,5 mm
Comments:	* forced cooling		

3. Inspection values			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L 1; L2; L3 [μH]	128 - 202	f = 100 kHz
	HV strength between N 1; N2; N3 / liso < 1mA	OK - NOK	Up,eff = 4 kV
	Wire resistance Rcu 1; Rcu2; Rcu3 [mOhms]	0 - 0,95	RT = 25 °C
		-	Ueff = 0,9 V
		-	t = 2 s

4. Others	
Marking:	MAGNETEC MB -426-04 YM (YM = Year/Month), acc. to IEC 60062 6.1.1
Packaging:	2 pcs. per layer, 4 layers per carton box ; PU = 8 pcs.
Comments:	

Index / Rev.	Alteration	Date
03 / 01	Product Specification	07.05.2014
03 / 02	Pin length change	09.03.2015
03 / 03	Change to paper based packaging	21.10.2015
04 / 04	Customer change	24.08.2017

Created: Z. Palánki	Approved (Techn): F. Záborszky	Approved (Quality): G. Zsák	Released: T. Trupp
24.08.2017	29.09.2017	29.09.2017	09.10.2017