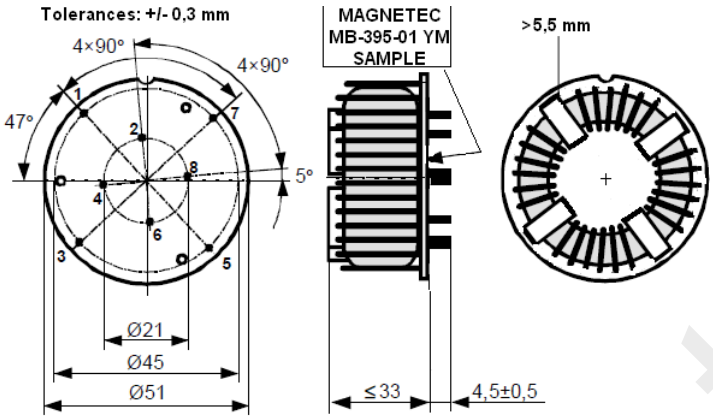
Magnetec	**Product specification for Inductive Components**	Form: Revision:	MF04.07 (F190) 02

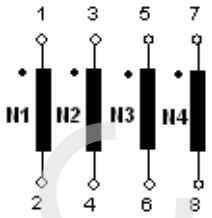
Client:	**MAGNETEC**	**Magnetec P/N:**	**MB-395**		
Client's p/n:	**-**	**PS Index:**	**01S**	**PS Revision:**	01
Subject:	**EMC Component**				

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

1. Mechanical outline



Wiring diagram



PRELIMINARY SPECIFICATION

2. Nominal values

Core material:	**NANOPERM®**	High voltage strength:	**Up,eff = 2,25 kV**
Nominal voltage:	**600 Veff AC**	Ambient temperature:	**-40... +70 °C**
Nominal inductance:	**4 x 3,56 mH**	Max. operating temperature:	**°C**
Nominal current:	**20* A**	Storage temperature:	**-40 ... +85 °C**
Leakage inductances:	**ca. ? µH**	Design standard:	**EN 60938-1**
No. of turns:	**N1 = N2 = N3 = N4 = 9**	Wire diameter:	**1,8 mm**
Comments:	*** forced air cooling assumed**		

3. Inspection values (at room temperature, unless otherwise stated)

Measured value	Measuring limits	Measuring configurations	
Inductivity L1;L2;L3;L4 [mH]	**2,2 - 5,6**	**f = 10 kHz**	**Ieff = 3 mA**
Inductivity L1;L2;L3;L4 [mH]	**0,55 - 1,42**	**f = 100 kHz**	**Ieff = 3 mA**
HV strength betw. N1; N2; N3; N4 / Iiso < 1mA	**OK - NOK**	**Up,eff = 2,25 kV**	**t = 1 s**
Wire resistance Rcu1;Rcu2;Rcu3;Rcu4 [mOhms]	**NA - 3,6**	**RT = 20 °C**	**AQL 1 S-4**
Mechanical test [mm]	**OK - NOK**		**AQL 1 S-4**

4. Others

Marking:	**MAGNETEC MB-395-01 YM SAMPLE (date of fabrication year / month)**
Packaging:	**? pcs. per layer, ? layers per carton box; PU = ? pcs.**
Comments:	Base plate: FR4 Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information.

Index / Rev.	Alteration	Date
01S / 01	Sample Specification	14.06.2011

Created:	Zs. Eperjesi 14.06.2011	Approved (Techn):		Approved (Quality):		Released:	

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