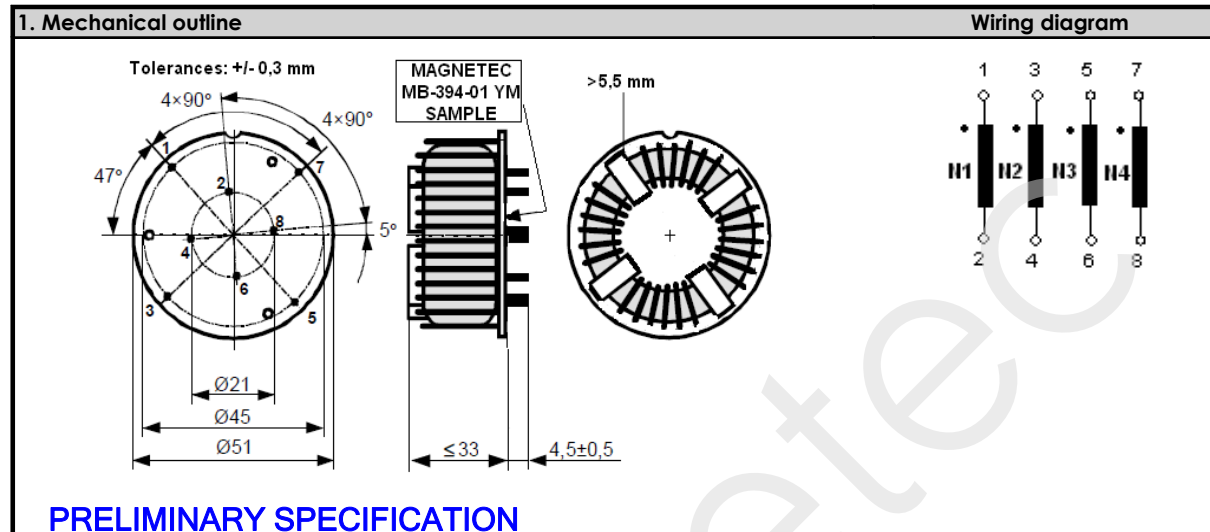


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Client:	MAGNETEC	Magnetec P/N:	MB-394		
Client's p/n:	-	PS Index:	01S	PS Revision:	01
Subject:	EMC Component				
Preliminary datasheet: This document is strictly confidential! It is subject to change without prior notice!					



## 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 6,91 mH	Max. operating temperature:	°C
Nominal current:	12* A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. ? µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = N3 = N4 = 13 turns	Wire diameter:	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]	4,6 - 11,6	f = 10 kHz	Ieff = 2 mA
Inductivity L1;L2;L3;L4 [mH]	1,2 - 2,6	f = 100 kHz	Ieff = 2 mA
HV strength between N1; N2; N3; N4 / Iiso < 1mA	OK - NOK	Up,eff = 2,25 kV	t = 1 s
Wire resistance Rcu1;Rcu2;Rcu3;Rcu4 [mOhms]	NA - 9,4	RT = 20 °C	AQL 1 S-4
Mechanical test [mm]	OK - NOK		AQL 1 S-4

4. Others	
Marking:	MAGNETEC MB-394-01 YM SAMPLE ( date of fabrication year / month )
Packaging:	pcs. per layer, layers per carton box; PU = pcs.
Comments:	Base plate: FR4, 100 kHz value test needed Visit <a href="http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf">http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf</a> 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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