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

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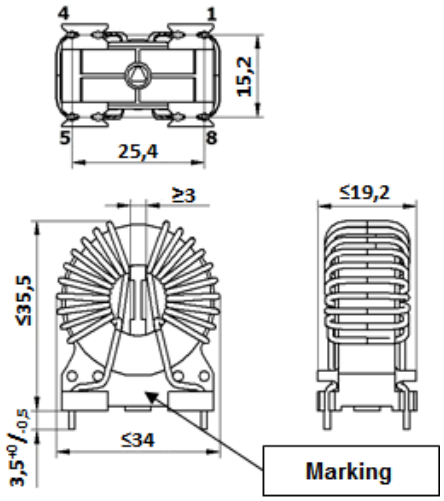
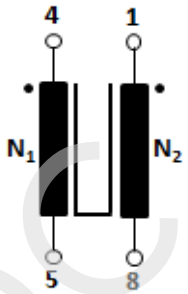
Client:	**MAGNETEC**	**Magnetec P/N:**	**MB-022**		
Client's p/n:		**PS Index:**	**02**	**PS Revision:**	06
Subject:	**EMC COMPONENT**				

1. Mechanical outline



Wiring diagram



2. Nominal values

Core material:	**NANOPERM®**	High voltage strength:	**Up,eff= 2,5 kV**
Nominal voltage:	**250 Veff AC**	Ambient temperature:	**-40 ... +50 °C**
Nominal inductance:	**2 x 0,33 @100kHz mH**	Max. operating temperature:	**°C**
Nominal current:	**8,5 A**	Storage temperature:	**-40 ... +85 °C**
Leakage inductances:	**ca. 4 µH**	Design standard:	**EN 60938-1**
No. of turns:	**N1 = N2 = 8**	Wire diameter:	**1 mm**
Comments:			

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

Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2 [mH]	**0,57 - 1,09**	**Ieff = 1,5 mA**	**f = 10 kHz**
Inductivity L1; L2 [mH]	**0,26 - 0,5**	**Ieff = 1,5 mA**	**f = 100 kHz**
Wire resistance Rcu1; Rcu2 [mOhms]	**0 - 8,5**	**T=23±3°C**	
HV strength between N1; N2 / Iiso<1mA	**OK - NOK**	**Ueff = 2,5 kV**	**t = 2 s**
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4. Others

Marking:	**MAGNETEC MB-022-02 YM (YM = Year/Month), acc. to IEC 60062 6.1.1**
Packaging:	**21 pcs. per layer, 4 layers per carton box; PU = 84 pcs.**
Comments:	Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information.

Index / Rev.	Alteration	Date
01S / 00	Sample	19.05.2000
01 / 00	Product Specification	15.01.2001
01 / 01	Packaging PU = 150 pcs.	16.05.2001
02 / 02	Core: M-243; LN1 = LN2 = 0,26 mH - 0,5mH @ 100 kHz	16.02.2004
02 / 03	New format; RoHS conform; PU = 120 pcs.	09.03.2007
02 / 04	Wire diameter given and wiring diagmram changed	11.12.2014
02 / 05	10kHz inductance limits defined , PU change	30.09.2016
02 / 06	New Corporate Identity	16.07.2021

Created:	E. Celan 16.07.2021	**Approved (Techn):**	A. Osipov 16.07.2021	**Approved (Quality):**	V. Coceban 16.07.2021	**Released:**	B. Kessler 03.01.2022

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