

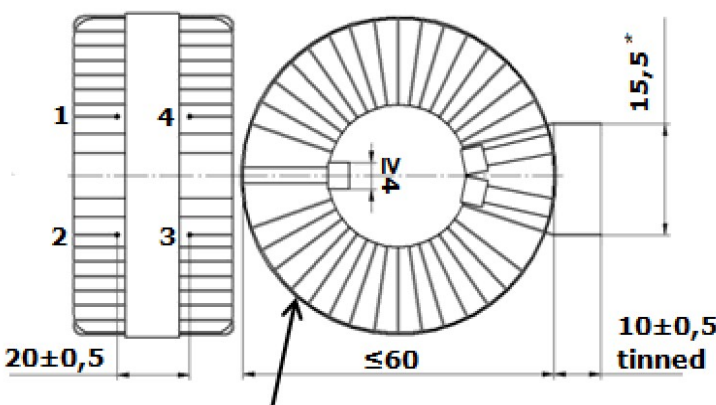
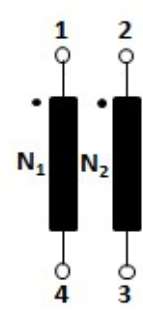


Product specification for Inductive Components

Form: MF04.07 (F190)
Revision: 01

Client:	MAGNETEC	Magnetec P/N:	MB-165	Magnetec A/N:	12506
Client's p/n:	/	PS Index:	02	PS Revision:	07
Subject:	EMC Component				

1. Mechanical outline	Wiring diagram
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MAGNETEC MB-165-02 YM

*: free tinned wires-ends/pin distance may deviate while transportation

2. Nominal values			
Core material:	NANOPERM®	High voltage strength:	Up,eff = 1,25 kV
Nominal voltage:	275 Veff AC	Ambient temperature:	-40 ... +70 °C
Nominal inductance:	2 x 26,8 mH	Max. operating temperature:	°C
Nominal current:	16* A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. 110 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = 37 turns	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 [mH]	18,5 - 39	f = 10 kHz	Ueff = 0,1 V
Wire resistance Rcu1; Rcu2 [mOhms]	0 - 22	T = 25 °C	
HV strength between N1 and N2 / liso < 1mA	OK - NOK	Up,eff = 1,25 kV	t = 2 s
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4. Others	
Marking:	MAGNETEC MB-165-02 YM (YM = Year/Month), acc. to IEC 60062 6.1.1
Packaging:	6 pcs. per layer, 4 layers per carton box; PU = 24 pcs.
Comments:	Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information.

Index / Rev.	Alteration	Date
02 / 01	Product Specification	05.02.2010
02 / 02	PU = 24 pcs.	04.03.2010
02 / 03	L1 = L2 >= 15,8mH @ 60kHz	29.04.2010
02 / 04	Pin length change, tolerance given, DC resistance increasing, inductivity measurement	12.07.2013
02 / 05	and limits limit change, on the bottom side double separator	16.10.2013

02 / 06	Drawing change WSI Update Pin Distance Change	21.11.2014
02 / 07		14.07.2021

Created:	E. Celan 14.07.2021	Approved (Techn):	A. Osipov 14.07.2021	Approved (Quality):	V. Coceban 14.07.2021	Released:	B. Kessler 01.12.2021
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