

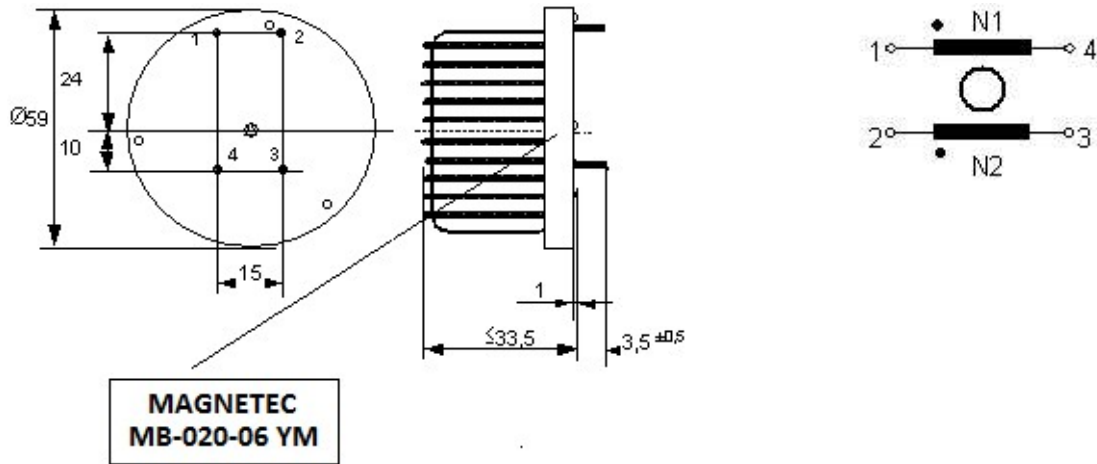


Product specification for Inductive Components

Form: MF04.07 (F190)
Revision: 01

Client:	MAGNETEC	Magnetec P/N:	MB-020	Magnetec A/N:	12063
Client's p/n:	/	PS Index:	06	PS Revision:	07
Subject:	EMC Component				

1. Mechanical outline Wiring diagram



Distance between coils $\geq 3,0$ mm

2. Nominal values

Core material:	NANOPERM®	High voltage strength:	$U_{p,eff} = 2,5$ kV
Nominal voltage:	250 V _{eff} AC	Ambient temperature:	-40 ... +50 °C
Nominal inductance:	2 x 33 mH	Max. operating temperature:	°C
Nominal current:	20 A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. 12 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = 18 turns	Wire diameter:	2,0 mm
Comments:			

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

Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2 [mH]	20,0 - 50,0	I _{eff} = 1 mA	f = 10 kHz
Wire resistance R _{cu1} ; R _{cu2} [mOhms]	NA - 8,0	RT = 25 °C	
HV strength between N1; N2 / I _{iso} < 1mA	OK - NOK	U _{p,eff} = 2,5 kV	t = 2 s
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4. Others

Marking:	MAGNETEC MB-020-06 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
05 / 01	Core M-044-03; Base plate 60x2 mm	28.03.2001
06 / 02	Base plate MT-012.01 V1; L1 = L2 = 20,0 - 50,0 mH @ f = 10 kHz	23.01.2003
06 / 03	Soldering material; Effective pin length 3,5 mm	06.02.2003
06 / 04	Effective choke height $\geq 33,5$ mm	05.11.2003
06 / 05	4 cable ties; Hole diameters 2.3 mm	13.07.2004
06 / 06	New format	17.03.2011

06 / 07	Change to paper based packaging	06.10.2016
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Created:	Z. Palánki 06.10.2016	Approved (Techn):	F. Záborszky 19.10.2016	Approved (Quality):	L. Ferencz 19.10.2016	Released:	P. Seiz 19.10.2016
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