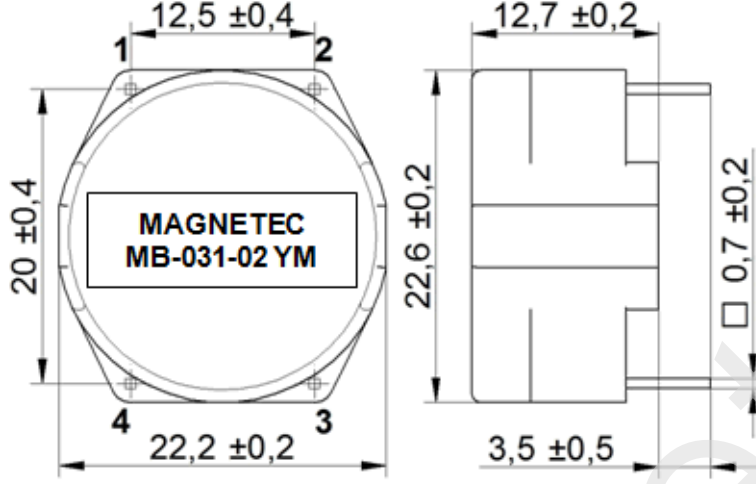
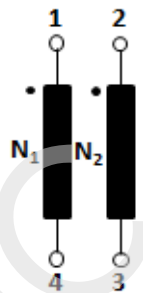


	Product specification for Inductive Components	Form: Revision:	MF04.07 (F190) 02
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Client:	MAGNETEC	Magnetec P/N:	MB-031		
Client's p/n:		PS Index:	02	PS Revision:	04
Subject:	EMC Component				

1. Mechanical outline	Wiring diagram
 <p>Top view dimensions: 12,5 ±0,4, 20 ±0,4, 22,2 ±0,2, 12,7 ±0,2, 22,6 ±0,2, 3,5 ±0,5, 0,7 ±0,2.</p> <p>Side view dimensions: 22,6 ±0,2, 3,5 ±0,5, 0,7 ±0,2.</p> <p>Detail view dimensions: 0,7 ±0,2.</p> <p>Label: MAGNETEC MB-031-02 YM</p>	

2. Nominal values			
Core material:	NANOPERM®	High voltage strength:	Up,eff = 2,5 kV
Nominal voltage:	250 Veff AC	Ambient temperature:	-40 ... +60 °C
Nominal inductance:	2 x 11 mH @ 10 kHz	Max. operating temperature:	°C
Nominal current:	3,6* A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	~ 8 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = 18	Wire diameter:	0,56 mm
Comments:	* forced cooling assumed		

3. Inspection values (at room temperature, unless otherwise stated)			
Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2 [mH]	8,4 - 21,0	f = 10 kHz	Ieff = 1 mA
Wire resistance Rcu1; Rcu2 [mOhms]	0 - 40,0	RT = 25 °C	
HV strength betw. N1 & N2 / Iiso < 1mA	OK - NOK	Up,eff = 2,5 kV	t = 2 s
	-		
	-		

4. Others	
Marking:	MAGNETEC MB-031-02 YM (YM = Year/Month), acc. to IEC 60062:2004 6.1.1
Packaging:	60 pcs. per layer, 5 layers per carton box; PU = 300 pcs.
Comments:	Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information.

Index / Rev.	Alteration	Date
01 / 01	Product Specification	10.10.2005
02 / 02	Pins 0.74x0.74mm +/-0.1 mm before tinning	10.11.2006
02 / 03	Drawing changed: tolerances added	05.06.2013
02 / 04	New Corporate Identity	16.05.2021

Created: E. Celan 16.05.2021	Approved (Techn): A. Osipov 16.07.2021	Approved (Quality): V. Coceban 13.08.2021	Released: B. Kessler 03.01.2022
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