



Product specification for Inductive Components

Form: MF04.07 (F190)
Revision: 01

Client:	MAGNETEC	Magnetec P/N:	MB-334	Magnetec A/N:	12581
Client's p/n:		PS Index:	01	PS Revision:	04
Subject:	EMC Component				

1. Mechanical outline	Wiring diagram
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MAGNETEC MB-334-01 YM

Tolerances: +/- 0,3mm
The pins # 1, 3, 4, 6 are fixed by soldering (pretinned copper pad diameter 8mm), the pins # 2, 5 by glue.

2. Nominal values			
Core material:	NANOPERM®	High voltage strength:	Up,eff = 2,5 kV
Nominal voltage:	480 Veff AC	Ambient temperature:	-40 ... +60 °C
Nominal inductance:	3 x 1,7 mH	Max. operating temperature:	°C
Nominal current:	3 x 20 A	Storage temperature:	-40 ... +85 °C
Leakage inductances:	ca. 15 µH	Design standard:	EN 60938-1
No. of turns:	N1 = N2 = N3 = 13	Wire diameter:	2,0 mm
Comments:	Max. allowed choke surface temperature: +120°C		

3. Inspection values (at room temperature, unless otherwise stated)			
Measured value	Measuring limits	Measuring configurations	
Inductivity L1; L2; L3 [mH]	1,1 - 2,7	f = 10 kHz	Ueff = 100 mV AC
Wire resistance Rcu1; Rcu2; Rcu3 [mOhms]	NA - 4,3	RT = 25 °C	IDC = 10A
HV strength between N1; N2; N3 / liso < 1mA	OK - NOK	Up,eff = 2,5 kV	t = 2 s
Mechanical dimensions [mm]	OK - NOK		
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4. Others	
Marking:	MAGNETEC MB-334-01 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
01 / 01	Product Specification	30.11.2011
01 / 02	Leakage inductance modified	05.10.2012
01 / 03	Assembly and dimension change	21.02.2013
01 / 04	Change to paper based packaging	06.10.2016

Created:	Z. Palánki 06.10.2016	Approved (Techn):	F. Záborszky 10.10.2016	Approved (Quality):	L. Ferencz 10.10.2016	Released:	T. Trupp 10.10.2016
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