

FORM F 190
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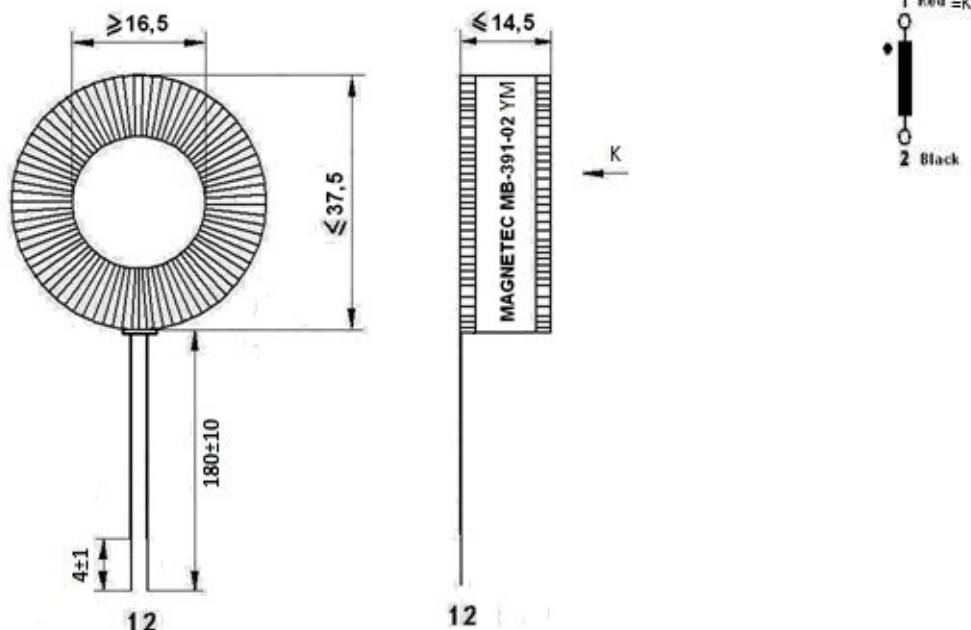
Product specification
for Inductive Components

MAGNETEC GmbH
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Client:	MAGNETEC GmbH	Magnetec P/N:	MB-391	Magnetec A/N:	12676
Client's p/n:	/	PS Index:	02	PS Revision:	02
Subject:	CT Component				

1. Mechanical outline

Wiring diagram



Tinned end of wires: 4±1 mm. White dot on the "K" side.

2. Nominal values

Core material:	NANOPERM®	High voltage strength:	1,5 kV
Nominal voltage:	- Veff AC	Ambient temperature:	-40 ... +70 °C
Nominal inductance:	1 x 1,75 H	Max. operating temperature:	°C
Nominal current:	I _{p eff} = 120 A	Storage temperature:	-40 ... +85 °C
Leakage inductances:		Design standard:	EN 62053-21
No. of turns:	N2 = 2500 turns	Wire diameter:	0,224 mm
Comments:	I DC peak = 120 A; Recommended R _b = 6,75 Ohm to reach U _b = 0,3 V,rms.		

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

Measured value	Measuring limits	Measuring configurations	
Inductivity L2 [H]	1,60 - 1,92	f = 50 Hz	U _{eff} = 1V
Wire resistance R _{cu2} [Ohms]	0 - 36	RT = 25 °C	
N2 turns	2475 - 2525		
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4. Others

Marking:	MAGNETEC MB-391-02 YM (YM = Year/Month), acc. to IEC 60062 6.1.1
Packaging:	24 pcs. per layer, 5 layers per carton box; PU = 120 pcs.
Comments:	Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information.

Index / Rev.	Alteration	Date
02 / 01	First issue	29.04.2014
02 / 02	Winding direction specified	22.07.2014

Created:	D. Tóth 22.07.2014	Approved (Techn):	F. Záborszky 22.07.2014	Approved (Quality):	J. Gulyás 31.07.2014	Released:	H. Doenges 31.07.2014
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