

FORM Identifier: F 190 Revision: 01 Page: 1/1	Product specification for Inductive Components	MAGNETEC GmbH Industriestrasse 7 D-63505 Langenselbold
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Client:	MAGNETEC GmbH	Magnetec P/N:	MB-050	Magnetec A/N:	12109
Client's p/n:		PS Index:	07	PS Revision:	04
Subject:	EMC Component			Type:	E

1.1 Mechanical outline <p style="text-align: center;">MAGNETEC MB-050-07 YM</p> <p>Tolerance of pin distance: +-0,3 mm</p>	1.2 Wiring diagram <p style="text-align: center;">Wire diameter 1,6 mm</p> <p> <input checked="" type="checkbox"/> Date code acc. to IEC 62 5.1 (YM) <input type="checkbox"/> Date code acc. to IEC 62 5.2 (YW) <input checked="" type="checkbox"/> RoHS compliant acc. to 2002/95/EC </p>
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2. Nominal values			
Core material:	NANOPERM®	Wire Resistance:	<=15,0 mOhms
Nominal voltage:	480 Veff AC	High voltage strength:	Up,eff = 2,5 kV
Nominal inductance:	3 x 11 mH	Operating temperature:	-40 ... +50 °C
Nominal current:	8/12* A	Storage temperature::	-40 ... +85 °C
Leakage inductances:	ca. 40 µH	Standard:	EN 60938-1
Comments:	N1 = N2 = N3 = 27 turns * Air forced cooling		

3. Inspection values			
	Measured value	Measuring limits	Measuring configurations
	Inductivity L1; L2; L3 [mH]	6,6 - 16,7	f = 10 kHz
	Wire resistance Rcu1; Rcu2; Rcu3 [mOhms]	NA - 15,0	RT = 25 °C
	HV strength between N1; N2; N3 / Iiso<1mA	OK - NOK	Up,eff = 2,5 kV
		-	Ieff = 1 mA
		-	t = 2 s

4. Others	
Marking:	MAGNETEC MB-050-07 YM (date of fabrication year / month)
Packaging:	8 pcs. per layer, 4 layers per carton box; PU = 32 pcs.
Comments:	

Index / Rev.	Alteration	Date
03 / 00	T80R HS cable tie; Baseplate 59 x 55 x 2 mm	15.06.2001
04 / 01	Base plate MT-012.02.ver1 g=2; L1 = L2 = L3 = 6,6 - 16,7 mH	06.01.2004
05 / 02	New format; Cased core; RoHS compliant	15.02.2008
06 / 03	Creepage distance >= 6,3 mm; Nominal voltage 480 Veff	17.06.2009
07 / 04	Case material Ultramid, Choke height <= 29,0 mm	13.04.2011

Created:	Zs. Eperjesi 13.04.2011	Approved (Techn):	F. Zámbořszky 22.04.2011	Approved (Quality):	V. Kaposztas 26.04.2011	Released:	F. Rauscher 26.04.2011
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