Magnetec

Product specification for Inductive Components

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	MAGNE	IEC /	Magnetec P/N	^{I:} MB-395				
Client's p/n:	·		P\$ Index:	01\$	PS	Revision:	01	
Subject:	_	mponent						
Preliminary d	atasheet: T	his document is	strictly confi	dential! It is su	bject to cho	ange wit	hout prior notice	
1. Mechanical	outline					Wiri	ng diagram	
470	ances: +/- 0,3 m 4 2 8 4 6 6 6 6 6 6 6 6 6 6 7 7 8 4 6 6 6 6 7 7 8 4 6 6 6 7 8 4 6 6 6 7 8 4 6 6 6 7 8 4 6 6 6 7 8 4 4 6 6 6 7 8 4 4 6 6 6 7 8 4 4 6 6 6 7 8 4 4 6 6 6 7 8 4 4 6 6 6 7 8 4 4 6 6 6 7 8 4 4 6 6 8 4 4 6 6 7 8 4 4 6 6 7 8 4 4 4 6 6 9 10 <p< th=""><th>4×90° 5° 5°</th><th>01 YM → 0 12 4,5±0,5</th><th></th><th></th><th></th><th>3 5 7 12 N3 N4 4 6 3</th></p<>	4×90° 5° 5°	01 YM → 0 12 4,5±0,5				3 5 7 12 N3 N4 4 6 3	
		PECIFICATIO						
2. Nominal va				he i di		1	0.0511/	
Core material		NANOPERM®		High voltage strength:		Up,eff = 2,25 kV -40 +70 °C		
Nominal voltag		600 Veff AC		Ambient temperature:		-40 +/0 °C °C		
Nominal induc	ance: 4	4 x 3,56 mH		Max. operating temperature:				
Nominal curre	nt: 20	20* A		Storage temperature:		-40 +85 °C		
Leakage	20 8			Design standard:		EN 60938-1		
inductances:	• • • • • • • • • • • • • • • • • • •			Design standard.				
No. of turns:	o. of turns: N1 = N2 = N3 = N4 = 9		9	Wire diameter:		1,8 mm		
Comments:	* f	orced air cooling as	sumed			•		
3. Inspection v		n temperature, unless ot						
Measured value							suring configurations	
Inductivity L1;L2;L3;L4 [mH]			2,2 - 5,6	f = 10 kHz				
nductivity L1:L		Inductivity L1;L2;L3;L4 [mH]						
	2;L3;L4 [mH]			0,55 - 1,42	f = 100 kHz		leff = 3 mA	
Inductivity L1;L		13; N4 / liso < 1mA		0,55 - 1,42 OK - NOK	f = 100 kHz Up,eff = 2,2			
Inductivity L1;L2 HV strength be	tw. N1; N2; N	I3; N4 / Iiso < 1mA Rcu3;Rcu4 [mOhm					leff = 3 mA	
Inductivity L1;L1 HV strength be Wire resistance	tw. N1; N2; N Rcu1;Rcu2;		ns]	OK - NOK	Up,eff = 2,2		leff = 3 mA t = 1 s	
Inductivity L1;L1 HV strength be Wire resistance	tw. N1; N2; N Rcu1;Rcu2;		ns]	OK - NOK NA - 3,6	Up,eff = 2,2		leff = 3 mA t = 1 s AQL 1 S-4	
Inductivity L1;L2 HV strength be Wire resistance Mechanical te 4. Others	tw. N1; N2; N Rcu1;Rcu2; st [mm]	Rcu3;Rcu4 [mOhm	ns]	OK - NOK NA - 3,6 OK - NOK	Up,eff = 2,2 RT = 20 °C	25 kV	leff = 3 mA t = 1 s AQL 1 S-4	
Holuctivity L1;L2 HV strength be Wire resistance Mechanical tes A. Others Marking:	tw. N1; N2; N Rcu1;Rcu2; st [mm] MAGNET	Rcu3;Rcu4 [mOhm EC MB-395-01 YM	SAMPLE (dat	OK - NOK NA - 3,6 OK - NOK e of fabrication	Up,eff = 2,2 RT = 20 °C	25 kV	leff = 3 mA t = 1 s AQL 1 S-4	
nductivity L1;L2 HV strength be Wire resistance Mechanical tes 4. Others Marking: Packaging:	tw. N1; N2; N Rcu1;Rcu2; st [mm] MAGNET ? pcs. pc	Rcu3;Rcu4 [mOhm EC MB-395-01 YM er layer, ? layers p	SAMPLE (dat	OK - NOK NA - 3,6 OK - NOK e of fabrication c; PU = ? pcs.	Up,eff = 2,2 RT = 20 °C year / month	25 kV	leff = 3 mA t = 1 s AQL 1 S-4 AQL 1 S-4	
Inductivity L1;L2 HV strength be Wire resistance Mechanical te: 4. Others Marking: Packaging: Comments:	tw. N1; N2; N e Rcu1;Rcu2; st [mm] MAGNET ? pcs. pe Base plat	Rcu3;Rcu4 [mOhm EC MB-395-01 YM er layer, ? layers p e: FR4 Visit <u>http:/</u>	SAMPLE (dat	OK - NOK NA - 3,6 OK - NOK e of fabrication c; PU = ? pcs.	Up,eff = 2,2 RT = 20 °C year / month	25 kV	leff = 3 mA t = 1 s AQL 1 S-4 AQL 1 S-4	
Inductivity L1;L2 HV strength be Wire resistance Mechanical tes A. Others Marking: Packaging:	tw. N1; N2; N e Rcu1;Rcu2; st [mm] MAGNET ? pcs. pe Base plat Alteration	Rcu3;Rcu4 [mOhm EC MB-395-01 YM er layer, ? layers p e: FR4 Visit <u>http:/</u>	SAMPLE (dat	OK - NOK NA - 3,6 OK - NOK e of fabrication c; PU = ? pcs.	Up,eff = 2,2 RT = 20 °C year / month	25 kV	leff = 3 mA t = 1 s AQL 1 S-4	

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