Magnetec

Product specification for Inductive Components

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Client:	MAGNETEC	Magnetec P	/N: MB-394			
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Client's p/n:	-	PS Index:	01\$	PS F	Revision	: 01
Subject:	EMC Component					
reliminary da	tasheet: This docum	nent is strictly co	nfidential! It is su	bject to cha	nge wi	thout prior notic
. Mechanical o	utline				Wir	ing diagram
		SAMPLE SAMPL	5.5 mm			3 5 7 12 113 114 4 6 8
	INDV ODECIEIC					
2. Nominal value	NARY SPECIFIC					
		CATION	High voltage s	trength:	-	= 2,25 kV
2. Nominal valu Core material: Nominal voltage	es NANOPERM® e: 600 Veff AC		High voltage s Ambient temp		-40	[:] = 2,25 kV +70 °C
2. Nominal valu Core material: Nominal voltage	es NANOPERM® e: 600 Veff AC		Ambient temp Max. operating	erature:	-	
2. Nominal valu Core material: Nominal voltage Nominal inducto	es NANOPERM® e: 600 Veff AC ance: 4 x 6,91 mH		Ambient temp	erature: 9	-40 °C	
2. Nominal valu Core material: Nominal voltage Nominal inducto Nominal current Leakage	es NANOPERM® e: 600 Veff AC once: 4 x 6,91 mH		Ambient temp Max. operating temperature:	erature: p erature:	-40 °C	+70 °C +85 °C
2. Nominal valu Core material: Nominal voltage Nominal inducto Nominal current Leakage nductances:	es NANOPERM® e: 600 Veff AC ance: 4 x 6,91 mH : 12* A ca. ? µH		Ambient temp Max. operating temperature: Storage tempe	erature: 9 erature: rd:	-40 °C -40	+70 °C +85 °C
2. Nominal value Core material: Nominal voltage Nominal inducto Nominal current Leakage nductances: No. of turns:	es NANOPERM® e: 600 Veff AC Dnce: 4 x 6,91 mH :: 12* A cα. ? μH N1 = N2 = N3	= N4 = 13 turns	Ambient temp Max. operating temperature: Storage tempe Design standa	erature: 9 erature: rd:	-40 °C -40 EN 60	+70 °C +85 °C
2. Nominal value Core material: Nominal voltage Nominal inducto Nominal current Leakage Inductances: No. of turns: Comments:	es NANOPERM® e: 600 Veff AC ance: 4 x 6,91 mH : 12* A ca. ? µH N1 = N2 = N3 * forced air coc	= N4 = 13 turns pling assumed	Ambient temp Max. operating temperature: Storage tempe Design standa	erature: 9 erature: rd:	-40 °C -40 EN 60	+70 °C +85 °C
2. Nominal value Core material: Nominal voltage Nominal inducto Nominal current Leakage Inductances: No. of turns: Comments:	es NANOPERM® e: 600 Veff AC Dnce: 4 x 6,91 mH :: 12* A cα. ? μH N1 = N2 = N3	= N4 = 13 turns bling assumed unless otherwise stated)	Ambient temp Max. operating temperature: Storage tempe Design standa	erature: perature: rd:	-40 °C -40 EN 60 mm	+70 °C +85 °C
2. Nominal value Core material: Nominal voltage Nominal inducto Nominal current Leakage nductances: No. of turns: Comments: 3. Inspection va	es NANOPERM® e: 600 Veff AC Dnce: 4 x 6,91 mH : 12* A ca. ? μH N1 = N2 = N3 * forced air coor Measured value	= N4 = 13 turns bling assumed unless otherwise stated)	Ambient temp Max. operating temperature: Storage tempe Design standa Wire diameter	erature: perature: rd:	-40 °C -40 EN 60 mm	+70 °C +85 °C 938-1
2. Nominal value Core material: Nominal voltage Nominal inducto Nominal current eakage nductances: No. of turns: Comments: 3. Inspection va	es NANOPERM® e: 600 Veff AC cnce: 4 x 6,91 mH : 12* A ca. ? μH N1 = N2 = N3 * forced air coor lues (at room temperature, Measured value L3;L4 [mH]	= N4 = 13 turns bling assumed unless otherwise stated)	Ambient temp Max. operating temperature: Storage tempe Design standa Wire diameter Measuring limits	erature: Parature: rd: Meas	-40 °C -40 EN 60 mm	+70 °C +85 °C 938-1
2. Nominal value Core material: Nominal voltage Nominal inducto Nominal current Leakage Inductances: No. of turns: Comments: 3. Inspection va	es NANOPERM® e: 600 Veff AC cnce: 4 x 6,91 mH : 12* A ca. ? μH N1 = N2 = N3 * forced air coor lues (at room temperature, Measured value L3;L4 [mH]	= N4 = 13 turns bling assumed unless otherwise stated)	Ambient temp Max. operating temperature: Storage tempe Design standa Wire diameter Measuring limits 4,6 - 11,6	erature: erature: rd: Meas f = 10 kHz	-40 °C -40 EN 60 mm	+70 °C +85 °C 938-1 onfigurations Ieff = 2 mA
2. Nominal value Core material: Nominal voltage Nominal inducto Nominal current Leakage Inductances: No. of turns: Comments: 3. Inspection va Inductivity L1;L2;I Not strength betw	es NANOPERM® e: 600 Veff AC cnce: 4 x 6,91 mH :: 12* A ca. ? μH N1 = N2 = N3 * forced air coor lues (at room temperature, Measured value L3;L4 [mH] L3;L4 [mH]	= N4 = 13 turns Dling assumed unless otherwise stated) Iliso < 1mA	Ambient temp Max. operating temperature: Storage tempe Design standa Wire diameter Measuring limits 4,6 - 11,6 1,2 - 2,6	erature: erature: rd:	-40 °C -40 EN 60 mm	+70 °C +85 °C 938-1 onfigurations leff = 2 mA leff = 2 mA
2. Nominal value Core material: Nominal voltage Nominal inducto Nominal current Leakage nductances: No. of turns: Comments: 3. Inspection va nductivity L1;L2;I nductivity L1;L2;I IV strength betw Vire resistance R	es NANOPERM® e: 600 Veff AC ance: 4 x 6,91 mH : 12* A ca. ? µH N1 = N2 = N3 * forced air coor lues (at room temperature, Measured value L3;L4 [mH] L3;L4 [mH] Veen N1; N2; N3; N4 / 1 acu1;Rcu2;Rcu3;Rcu4	= N4 = 13 turns Dling assumed unless otherwise stated) Iliso < 1mA	Ambient temp Max. operating temperature: Storage tempe Design standa Wire diameter Measuring limits 4,6 - 11,6 1,2 - 2,6 OK - NOK	erature: erature: rd: f = 10 kHz f = 100 kHz Up,eff = 2,25	-40 °C -40 EN 60 mm	+70 °C +85 °C 938-1 onfigurations leff = 2 mA leff = 2 mA t = 1 s
2. Nominal value Core material: Nominal voltage Nominal inducto Nominal current Leakage nductances: No. of turns: Comments: 3. Inspection va Inductivity L1;L2;Inductivity L1;	es NANOPERM® e: 600 Veff AC ance: 4 x 6,91 mH : 12* A ca. ? µH N1 = N2 = N3 * forced air coor lues (at room temperature, Measured value L3;L4 [mH] L3;L4 [mH] Veen N1; N2; N3; N4 / 1 acu1;Rcu2;Rcu3;Rcu4	= N4 = 13 turns Dling assumed unless otherwise stated) Iliso < 1mA	Ambient temp Max. operating temperature: Storage tempe Design standa Wire diameter Measuring limits 4,6 - 11,6 1,2 - 2,6 OK - NOK NA - 9,4	erature: erature: rd: f = 10 kHz f = 100 kHz Up,eff = 2,25	-40 °C -40 EN 60 mm	+70 °C +85 °C 938-1 onfigurations leff = 2 mA leff = 2 mA t = 1 s AQL 1 S-4
2. Nominal value Core material: Nominal voltage Nominal inducto Nominal current eakage nductances: No. of turns: Comments: 3. Inspection va nductivity L1;L2;I nductivity L1;L2;I N strength betw Vire resistance R Aechanical test 4. Others	es NANOPERM® e: 600 Veff AC ance: 4 x 6,91 mH : 12* A ca. ? µH N1 = N2 = N3 * forced air coor lues (at room temperature, Measured value L3;L4 [mH] L3;L4 [mH] Veen N1; N2; N3; N4 / 1 acu1;Rcu2;Rcu3;Rcu4	= N4 = 13 turns bling assumed unless otherwise stated) liso < 1mA [mOhms]	Ambient temp Max. operating temperature: Storage tempe Design standa Wire diameter Measuring limits 4,6 - 11,6 1,2 - 2,6 OK - NOK NA - 9,4 OK - NOK	erature: erature: rd: f = 10 kHz f = 100 kHz Up,eff = 2,25 RT = 20 °C	-40 °C -40 EN 60 mm	+70 °C +85 °C 938-1 onfigurations leff = 2 mA leff = 2 mA t = 1 s AQL 1 S-4
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2. Nominal value Core material: Nominal voltage Nominal inducto Nominal current Leakage nductances: No. of turns: Comments: 3. Inspection va nductivity L1;L2;I IV strength betw Vire resistance R Aechanical test 4. Others Marking: Packaging: Comments:	es NANOPERM® e: 600 Veff AC ance: 4 x 6,91 mH : 12* A ca. ? μH N1 = N2 = N3 * forced air coor lues (at room temperature, Measured value L3;L4 [mH] L3;L4 [mH] L3;L4 [mH] L3;L4 [mH] MAGNETEC MB-394 pcs. per layer, lay	= N4 = 13 turns bling assumed unless otherwise stated) liso < 1mA [mOhms] -01 YM SAMPLE (d rers per carton box 100 kHz value to	Ambient temp Max. operating temperature: Storage tempe Design standa Wire diameter Aeasuring limits 4,6 - 11,6 1,2 - 2,6 OK - NOK NA - 9,4 OK - NOK ate of fabrication c; PU = pcs. Est needed Visit	erature: erature: rd: f = 10 kHz f = 10 kHz f = 100 kHz Up,eff = 2,25 RT = 20 °C year / month	-40 °C -40 EN 60 mm suring co 5 kV	+70 °C +85 °C 938-1 onfigurations leff = 2 mA leff = 2 mA t = 1 s AQL 1 S-4 AQL 1 S-4
2. Nominal value Core material: Nominal voltage Nominal inducto Nominal current Leakage nductances: No. of turns: Comments: 3. Inspection va nductivity L1;L2;I nductivity L1;L2;I tV strength betw	es NANOPERM® e: 600 Veff AC cnce: 4 x 6,91 mH : 12* A ca. ? µH N1 = N2 = N3 * forced air coor lues (at room temperature, Measured value L3;L4 [mH] L3;L4 [mH] L3;L4 [mH] veen N1; N2; N3; N4 / I ccu1;Rcu2;Rcu3;Rcu4 [mm] MAGNETEC MB-394: pcs. per layer, lay Base plate: FR4, http://www.magnet	= N4 = 13 turns Dling assumed unless otherwise stated) liso < 1mA [mOhms] -01 YM SAMPLE (d rers per carton box 100 kHz value to ec.de/fileadmin/p	Ambient temp Max. operating temperature: Storage tempe Design standa Wire diameter Aeasuring limits 4,6 - 11,6 1,2 - 2,6 OK - NOK NA - 9,4 OK - NOK ate of fabrication c; PU = pcs. Est needed Visit	erature: erature: rd: f = 10 kHz f = 10 kHz f = 100 kHz Up,eff = 2,25 RT = 20 °C year / month	-40 °C -40 EN 60 mm suring co 5 kV	+70 °C +85 °C 938-1 onfigurations leff = 2 mA leff = 2 mA t = 1 s AQL 1 S-4

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