Magnetec

Product specification for Inductive Components

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Client:	MAGN	ETEC	Magnetec P/N	MB-396			
Client's p/n:	/		PS Index:	02\$	PS	Revision:	02
Subject:		omponent					
Preliminary d	latasheet:	This documen	nt is strictly confic	lential! It is sub	oject to cha	nge wit	hout prior notic
. Mechanical	outline					Wiri	ng diagram
						1	3 5
т	op view			Bottom view Ø 53	v	Ŷ	Ϋ́Υ Ϋ́Υ
25,5	≤60	4,5±0,5		2 17.7 2 4 8 6 5 4x 90°	3		2 N ₃ N ₄
						lun off	- 25 W
Core material	: 1	VANOPERM®		High voltage str			= 2,5 kV +70* °C
Core material Nominal volta	: N ge: 6	00 Veff AC		High voltage str Ambient tempe	erature:		= 2,5 kV +70* °C
Core material Nominal volta	: N ge: 6			High voltage str	erature:	-40 ·	
Core material Nominal volta Nominal induc	: N ge: 6 ctance: 4	600 Veff AC I x 3,7 mH		High voltage str Ambient tempe Max. operating	erature:	-40 ·	+70* °C
Core material Nominal volta Nominal induc Nominal curre Leakage	: N ge: 6 ctance: 4 ent: 3	00 Veff AC		High voltage str Ambient tempe Max. operating temperature:	erature: rature:	-40 [.] °C	+70* °C
Core material Nominal volta Nominal induc Nominal curre Leakage nductances:	: N ge: 6 ctance: 4 ent: 3	600 Veff AC I x 3,7 mH 60 A		High voltage str Ambient tempe Max. operating temperature: Storage tempe	erature: rature:	-40 [.] °C	+70* °C +85 °C
Core material Nominal volta Nominal induc Nominal curre Leakage nductances: No. of turns:	: N ge: 6 ctance: 4 ent: 3	500 Veff AC 4 x 3,7 mH 30 A 3,2 μH		High voltage str Ambient tempe Max. operating temperature: Storage tempe Design standare	erature: rature:	-40 · °C -40 ·	+70* °C +85 °C
Core material Nominal volta Nominal induc Nominal curre Leakage nductances: No. of turns: Comments:	: N ge: 6 ctance: 4 ent: 3 1 N	500 Veff AC 4 x 3,7 mH 30 A 3,2 μH	N4 = 6	High voltage str Ambient tempe Max. operating temperature: Storage tempe Design standare	erature: rature:	-40 · °C -40 ·	+70* °C +85 °C
Core material Nominal volta Nominal induc Nominal curre Leakage nductances: No. of turns: Comments:	: N ge: 6 ctance: 4 ent: 3 1 N	500 Veff AC 4 x 3,7 mH 50 A 3,2 μH N1 = N2 = N3 = N com temperature, unit	N4 = 6	High voltage str Ambient tempe Max. operating temperature: Storage tempe Design standare	erature: rature: d:	-40 · °C -40 · 2,5 mm	+70* °C +85 °C
Core material Nominal volta Nominal induc Nominal curre Leakage nductances: No. of turns: Comments: 3. Inspection	: N ge: 6 ctance: 4 ent: 3 values (at ro Measure L2; L3; L4 [n	500 Veff AC 4 x 3,7 mH 30 A 3,2 µH N1 = N2 = N3 = N om temperature, unle ed value	N4 = 6	High voltage str Ambient tempe Max. operating temperature: Storage tempe Design standard Wire diameter:	rature: d: Mea:	-40 · °C -40 · 2,5 mm	+70* °C +85 °C n
Core material Nominal volta Nominal induc Nominal curre Leakage nductances: No. of turns: Comments: 3. Inspection nductivity L1;	: N ge: 6 ctance: 4 ent: 3 ent: 3 values (at ro Measure L2; L3; L4 [n L2; L3; L4 [n	500 Veff AC I x 3,7 mH 50 A 3,2 µH N1 = N2 = N3 = N com temperature, unit ect value nH] nH]	N4 = 6	High voltage str Ambient tempe Max. operating temperature: Storage tempe Design standard Wire diameter: usuring limits ,44 - 5,43 0,56 - NA	rature: d: Mea: f = 10 kHz f = 10 kHz	-40 · °C -40 · 2,5 mm	+70* °C +85 °C n
Core material Nominal volta Nominal induc Nominal curre Leakage nductances: No. of turns: Comments: 3. Inspection nductivity L1; Nductivity L1; Vire resistance	: N ge: 6 ctance: 4 ent: 3 ent: 3 values (atro Measure L2; L3; L4 [n L2; L3; L4 [n E2; L3; L4 [n	500 Veff AC 4 x 3,7 mH 50 A 5,2 μH N1 = N2 = N3 = N com temperature, unle cod Value nH] nH] h2; Rcu3; Rcu4 [r	N4 = 6 ess otherwise stated) Meco mOhms]	High voltage str Ambient temper Max. operating temperature: Storage temper Design standard Wire diameter: Design standard Wire diameter: 2000 June 100 June	rature: d: Meas f = 10 kHz f = 10 kHz T = 25°C	-40 °C -40 2,5 mn suring cc	+70* °C +85 °C n onfigurations leff=4 mA leff=4 mA
Core material Nominal volta Nominal induc Nominal curre Leakage nductances: No. of turns: Comments: 3. Inspection nductivity L1; nductivity L1; Vire resistance	: N ge: 6 ctance: 4 ent: 3 ent: 3 values (atro Measure L2; L3; L4 [n L2; L3; L4 [n E2; L3; L4 [n	500 Veff AC I x 3,7 mH 50 A 3,2 µH N1 = N2 = N3 = N com temperature, unit ect value nH] nH]	N4 = 6 ess otherwise stated) Meco mOhms]	High voltage str Ambient tempe Max. operating temperature: Storage tempe Design standard Wire diameter: usuring limits ,44 - 5,43 0,56 - NA	rature: d: Mea: f = 10 kHz f = 10 kHz	-40 °C -40 2,5 mn suring cc	+70* °C +85 °C n onfigurations leff=4 mA
Core material Nominal volta Nominal induc Nominal curre Leakage nductances: No. of turns: Comments: 3. Inspection nductivity L1; nductivity L1; Nire resistance IV strength be	: N ge: 6 ctance: 4 ent: 3 ent: 3 values (atro Measure L2; L3; L4 [n L2; L3; L4 [n E2; L3; L4 [n	500 Veff AC 4 x 3,7 mH 50 A 5,2 μH N1 = N2 = N3 = N com temperature, unle cod Value nH] nH] h2; Rcu3; Rcu4 [r	N4 = 6 ess otherwise stated) Meco mOhms]	High voltage str Ambient temper Max. operating temperature: Storage temper Design standard Wire diameter: Design standard Wire diameter: 2000 June 100 June	rature: d: Meas f = 10 kHz f = 10 kHz T = 25°C	-40 °C -40 2,5 mn suring cc	+70* °C +85 °C n onfigurations leff=4 mA leff=4 mA
Core material Nominal volta Nominal induc Nominal curre Leakage nductances: No. of turns: Comments: 3. Inspection nductivity L1; nductivity L1; Nire resistance IV strength be	: N ge: 6 ctance: 4 ent: 3 values (at ro Measure L2; L3; L4 [n L2; L3; L4 [n e Rcu1; Rcu	500 Veff AC 4 x 3,7 mH 50 A 5,2 μH N1 = N2 = N3 = N com temperature, unlead value nH] hH] hH] h2; Rcu3; Rcu4 [r N2; N3; N4 / liso	N4 = 6 ess otherwise stated) Meco mOhms]	High voltage str Ambient temper Max. operating temperature: Storage temper Design standard Wire diameter: usuring limits ,44 - 5,43 D,56 - NA 0 - 1,8 DK - NOK -	rature: d: f = 10 kHz f = 10 kHz f = 100 kHz T = 25°C Up,eff = 2,50	-40 °C -40 2,5 mm suring cc	+70* °C +85 °C n onfigurations leff=4 mA leff=4 mA t = 2s
nductivity L1; nductivity L1; Wire resistance	: N ge: 6 ctance: 4 ent: 3 ent: 3 values (at ro Measure L2; L3; L4 [n L2; L3; L4 [n e Rcu1; Rcu etween N1; MAGN	500 Veff AC 4 x 3,7 mH 50 A 3,2 μH N1 = N2 = N3 = N om temperature, unlead value nH] hH] hH] h2; Rcu3; Rcu4 [r N2; N3; N4 / liso ETEC MB-396-02	N4 = 6 ess otherwise stated) Meco mOhms] o<1mA	High voltage str Ambient temper Max. operating temperature: Storage temper Design standard Wire diameter: usuring limits ,44 - 5,43 D,56 - NA 0 - 1,8 DK - NOK - Year/Month), c	rature: d: f = 10 kHz f = 10 kHz f = 100 kHz T = 25°C Up,eff = 2,50	-40 °C -40 2,5 mm suring cc	+70* °C +85 °C n onfigurations leff=4 mA leff=4 mA t = 2s
Core material Nominal volta Nominal induce Nominal curre Leakage nductances: No. of turns: Comments: 3. Inspection nductivity L1; Nire resistance 1V strength be 4. Others Marking:	: N ge: 6 ctance: 4 ent: 3 ent: 3 values (at ro Measure L2; L3; L4 [n L2; L3; L4 [n encu1; Rcu encu1; Rcu encu1; MAGN pcs. p	00 Veff AC 4 x 3,7 mH 30 A 32,2 μH N1 = N2 = N3 = N om temperature, unlead value nH] n2; Rcu3; Rcu4 [r N2; N3; N4 / liso ETEC MB-396-02 er layer, layers	N4 = 6 ess otherwise stated) Mec mOhms] o<1mA C YM SAMPLE (YM =	High voltage str Ambient temper Max. operating temperature: Storage temper Design standard Wire diameter: Wire diameter: assuring limits ,44 - 5,43 0,56 - NA 0 - 1,8 DK - NOK - Year/Month), c U = pcs.	rature: d: f = 10 kHz f = 100 kHz T = 25°C Up,eff = 2,5 acc. to IEC 60	-40 °C -40 2,5 mn suring cc kV	+70* °C +85 °C n onfigurations leff=4 mA leff=4 mA t = 2s
Core material Nominal volta Nominal induce Nominal curre Leakage nductances: No. of turns: Comments: 3. Inspection nductivity L1; Nire resistance 1V strength be 4. Others Marking: Packaging: Comments:	: N ige: 6 ctance: 4 ent: 3 ent: 3 values (at ro Measure L2; L3; L4 [n L2; L3; L4 [n eRcu1; Rcu etween N1; MAGN pcs. p Visit b	500 Veff AC 4 x 3,7 mH 50 A 5,2 µH N1 = N2 = N3 = N 50 value nH] 12; Rcu3; Rcu4 [r N2; N3; N4 / liso ETEC MB-396-02 er layer, layers http://www.mag	N4 = 6 ess otherwise stated) Mec mOhms] o<1mA C 2 YM SAMPLE (YM = 5 per carton box; P	High voltage str Ambient temper Max. operating temperature: Storage temper Design standard Wire diameter: Wire diameter: assuring limits ,44 - 5,43 0,56 - NA 0 - 1,8 DK - NOK - Year/Month), c U = pcs.	rature: d: f = 10 kHz f = 100 kHz T = 25°C Up,eff = 2,5 acc. to IEC 60	-40 °C -40 2,5 mn suring cc kV	+70* °C +85 °C n onfigurations leff=4 mA leff=4 mA t = 2s
Core material Nominal volta Nominal induce Nominal curre Leakage nductances: No. of turns: Comments: 3. Inspection nductivity L1; nductivity L1; Nire resistance V strength be 4. Others Marking: Packaging:	: N ige: 6 ctance: 4 ent: 3 ent: 3 values (at ro Measure L2; L3; L4 [n L2; L3; L4 [n eRcu1; Rcu etween N1; MAGN pcs. p Visit b	500 Veff AC 4 x 3,7 mH 50 A 5,2 µH N1 = N2 = N3 = N 50 value nH] 12; Rcu3; Rcu4 [r N2; N3; N4 / liso ETEC MB-396-02 er layer, layers http://www.mag	N4 = 6 ess otherwise stated) Mec mOhms] o<1mA C 2 YM SAMPLE (YM = 5 per carton box; P	High voltage str Ambient temper Max. operating temperature: Storage temper Design standard Wire diameter: Wire diameter: assuring limits ,44 - 5,43 0,56 - NA 0 - 1,8 DK - NOK - Year/Month), c U = pcs.	rature: d: f = 10 kHz f = 100 kHz T = 25°C Up,eff = 2,5 acc. to IEC 60	-40 °C -40 2,5 mn suring cc kV	+70* °C +85 °C n onfigurations leff=4 mA leff=4 mA t = 2s

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