

KV ELECTRONICS CO., LTD.

988 MOO 2, SOI THETSABAN BANG PU 60

TUMBOL THAI BAN , AMPHUR MUANG

SAMUTPRAKARN 10280

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E-MAIL : kvea@loxinfo.co.th

Customer name :

Customer part no. :

Drawing no. :

Description : Current Sense 200: 2:2

KV no. : 08251

Revision : 00

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Issue date

8 September 2008

Check by

Approve by

Revise record.

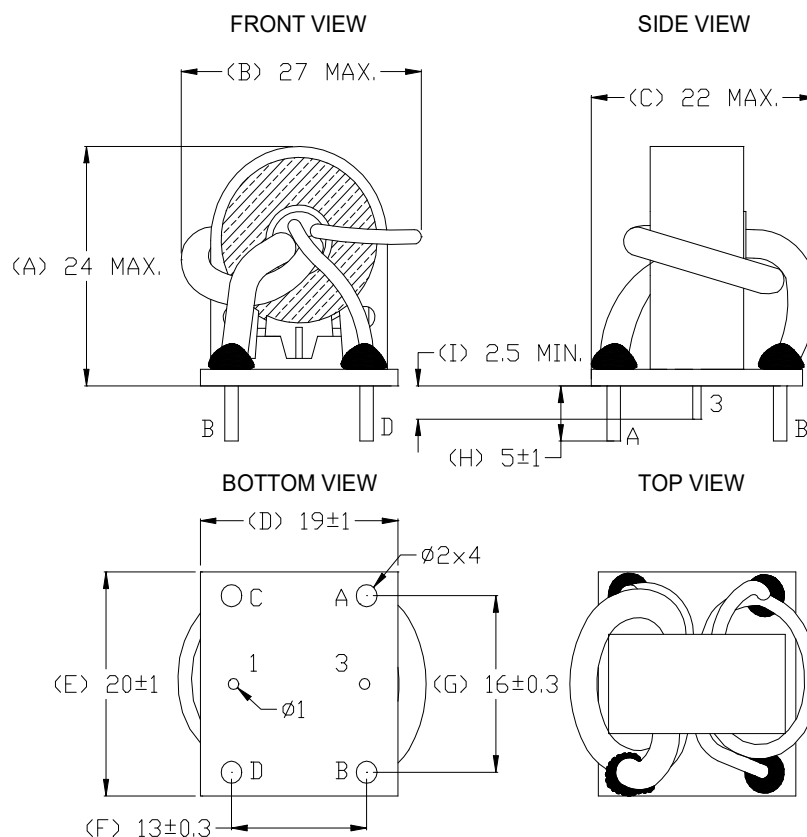
Rev.	Date	Revise description	Page.



1. Components list.

Item.	Material.	Manufacturer.
1. Toroid T12.7x7.92x4.5-C	A07 (Al =2980nH/N ²)	Acme
2. Box	PET (FR-530) (UI94-V0)	Chang chun plastic co., ltd UL no. E59481(S). or equivalent.
3. Copper wire	Polyurethane enamelled copper (B 130 deg.C)	Siam pacific electric wire & cable co.,ltd. UL.no. E196993 or Thai hitachi enamel wire co.,ltd. UL no.E137472 or equivalent.
4. Tube	Teflon (PTFE-2)	Thai scantube co.,ltd UL.no. E151086 or equivalent
5. Potting compound Potting harder	Polyurethane	A.E.V PLC UL no. E174454 or equivalent.
6. PC Board	FR4	Local UL no.E108591 or equivalent.
7. Glue Adhesive, CKE660	Epoxy Black, Red or equivalent	China Kyotoku Enterprise Co.,Ltd. UL no. E221448
8. Solder bar	Sn / Cu	Ultra core or equivalent.

The drawing and dimension in millimeter unit.



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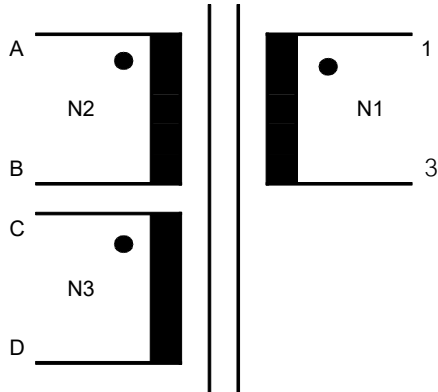
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**2. Schematic diagram and winding instruction.**

N1 Pin 1-3 = Wire 0.15 mm. / 200 Ts.

N2 Pin A-B = Wire 1.30 mm. / 2 Ts.

N3 Pin C-D = Wire 1.30 mm. / 2 Ts.

Remark : Put Tube at Pin. A,B**3. Electricals specification and test data (at 25 deg.c).**

Item	Pin no.	Specification	Test data									
			1	2	3							
Inductance (L) At 10KHz, 1V	1 - 3	77.85 mH MIN.	110.4	108.2	11.4							
DC-resistance(DCR) @ 25 DEG.C	1 - 3	3 OHMs MAX.	2.78	2.76	2.77							
Turn ratio testing At 20 kHz , 1vrms			Passed	Passed	Passed							
Phase check follow to schematic diagram.										Passed		

**Mechanical test
Sample no.**

	A	B	C	D	E	F	G	H	I
1	22.13	25.94	20.60	18.82	20.54	13.17	15.91	5	3
2	22.03	25.86	20.46	18.81	20.46	12.92	16.17	5	3
3	22.01	24.24	20.57	18.80	20.79	13.23	16.23	5	3

Test date : 8 September 2008
Test by : Anirut