

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 : Electronic source

Customer part no. : ES00114

Drawing no. :

Description : Common mode choke 120 uH

KV no. : 12566

Revision : 01

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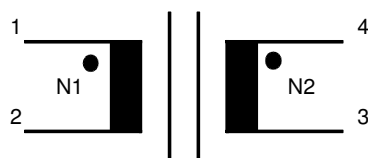


1. Components list.

Item.	Material.	Manufacturer.
1. Toroid core T9.53x4.75x3.2C	P47	ACME or equivalent.
2. Copper wire	Polyurethane enameled copper (130 deg.c).	Thai hitachi enamel wire co., ltd. UL no. E137472. Pacific-Thai electric wire & cable co.,ltd. UL no. E142108. or equivalent.
3. Tex-E wire	Tripple insulating copper wire (B 130 deg.C)	Furukawa Electric Co.,Ltd. UL no. E206440. Young Chang Silicone Co.,Ltd. UL no. E242198. or equivalent.
4. Solder bar	Sn / Cu	Ultra core or equivalent.

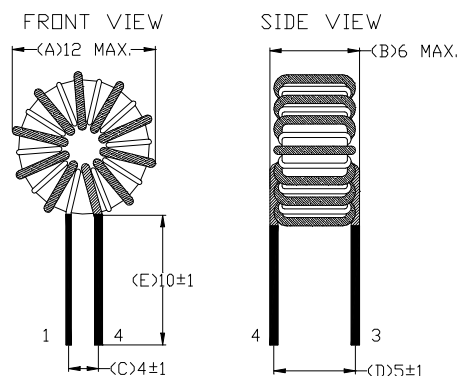
2. Schematic diagram and winding instruction.

The drawing and dimension in millimetre unit.



N1 : Pin 1-2 = Wire 0.40 mm. / 9 Ts. (Ref.)

N2 : Pin 4-3 = TEX-E Wire 0.40 mm. / 9 Ts. (Ref.)



3. Electricals specification and test data (at 25 deg.c).

Vertical

Item	Pin no.	Specification	Test data									
			1	2	3	4	5	6				
Inductance (L) At 10KHz, 1V	1 – 2	120 uH +/-25%				140.09	146.30	133.64				
	4 – 3	120 uH +/-25%				139.53	146.24	133.36				
DC-Resistance (DCR)	1 – 2	29.00 mOhm Max.				22.66	22.86	22.36				
	4 – 3	29.00 mOhm Max.				22.68	23.04	22.66				
Hi-Potential test. 1mA 50Hz	Apply 1000Vac between N1 to N2 for 2 sec.								Passed			

Mechanical test

Sample no.

	A	B	C	D	E	F
1						
2						
3						
4	10.83	5.11	3.98	5.20	10	
5	10.86	5.21	3.96	5.30	10	
6	11.01	5.13	3.94	5.40	10	

Remark : Sample no. 1,2,3 (Horizontal type)

Sample no. 4,5,6 (Vertical type) Customer approved

Test date : 21 December 2012

Test by : Apiwat