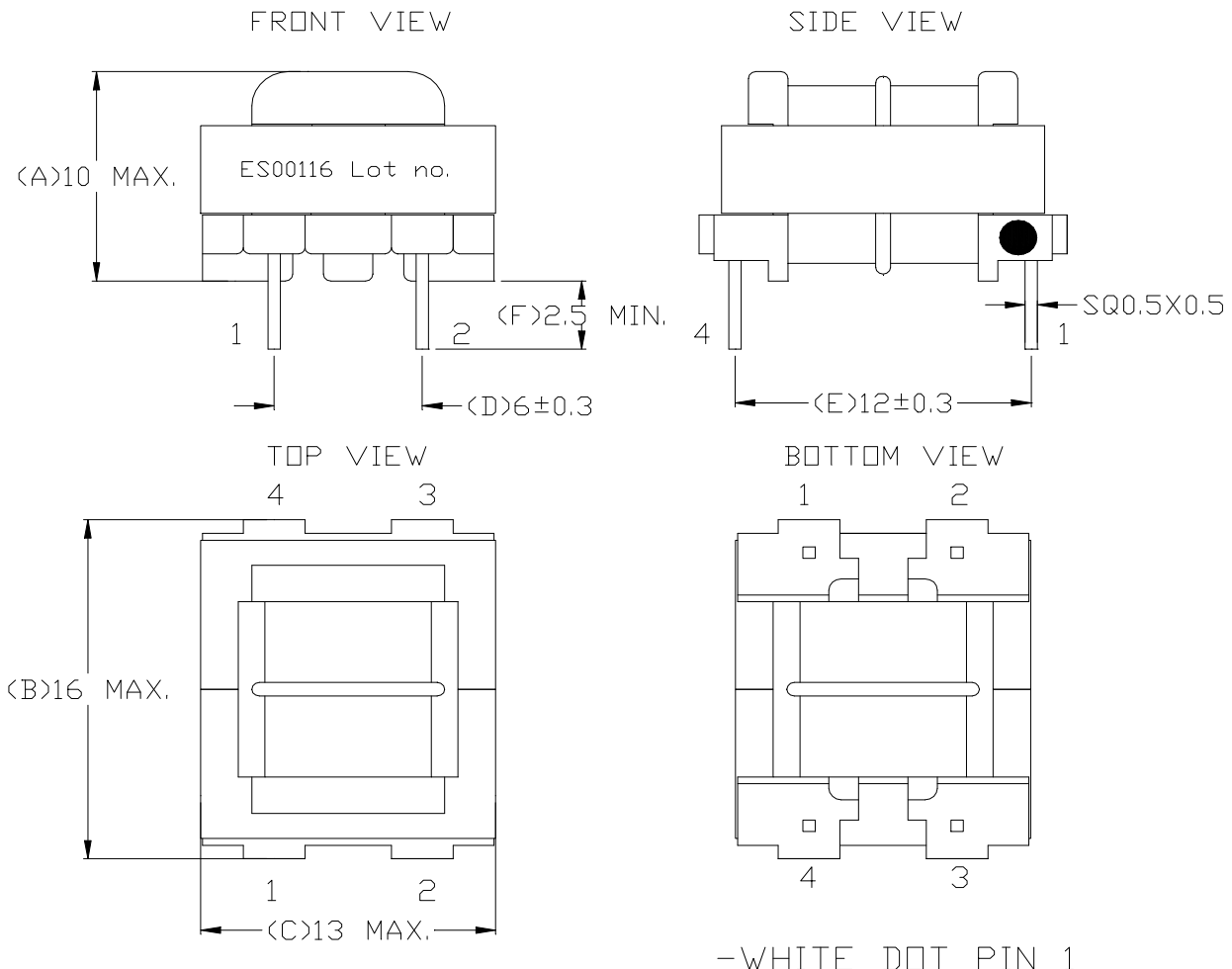




1. Components list.

<u>Item.</u>	<u>Material.</u>	<u>Manufacturer.</u>
1. Bobbin	Phenolic (UL94V-0)	Chang chun plastic co., ltd UL no. E59481(S).
2. Core EE-12	Ferrite.	China.
3. 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.
4. Insulation tape	Polyester #1350F (130 deg.c) Polyester #35660 (130 deg.c)	3M UL No.E17385. Symbio INC UL.no. E50292.
5. Solder bar	Sn / Cu	Ultra core or equivalent.
6. Varnish	Ultimeg 2000/380	A.E.V PLC UL no. E220579 .

The drawing and dimension in millimetre unit.



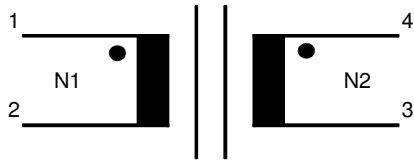
KV ELECTRONICS CO., LTD.

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 TUMBOL THAI BAN , AMPHUR MUANG
 SAMUTPRAKARN 10280
 TEL. +66(0) 2701-2969 , FAX +66(0) 2701-2966
 E-MAIL : kvea@loxinfo.co.th

Customer name : Electronic source
 Customer part no. : ES00116
 Drawing no. :
 Description : Common mode choke 54 mH Min.
 KV no. : 12568
 Revision : 01



2. Schematic diagram and winding instruction.



N1 Pin 1-2 = Wire 0.18 mm. / 120 Ts. (Ref.)
 Insulation 2 Ts.
 N2 Pin 4-3 = Wire 0.18 mm. / 120 Ts. (Ref.)
 Insulation 2 Ts.

Note:

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

Item	Pin no.	Specification	Test data											
			1	2	3	4	5							
Inductance (L) At 10KHz, 1V	1 – 2	54.00 mH Min.	72.70	61.70	69.40	68.20	72.90							
	4 – 3	54.00 mH Min.	72.30	61.70	69.50	68.60	73.10							
DC-Resistance (DCR)	1 – 2	2.20 Ohm Max.	1.78	1.79	1.78	1.78	1.78							
	4 – 3	2.20 Ohm Max.	1.77	1.78	1.78	1.78	1.79							
Hi-Potential test. 1mA 50Hz	Apply 1500Vac between N1 to N2 for 2 sec. Apply 1500Vac between wire to core for 2 sec.										Passed	Passed		
Phase check follow to schematic diagram.										Passed				

Mechanical test Sample no.	A	B	C	D	E	F
1	9.28	14.97	12.49	5.86	11.99	3
2	9.30	14.96	12.44	5.91	11.98	3
3	9.31	14.99	12.37	5.90	11.98	3
4	9.30	14.95	12.43	5.91	11.95	3
5	9.31	14.97	12.32	5.92	11.84	3

Test date : 19 December 2012
 Test by : Apiwat