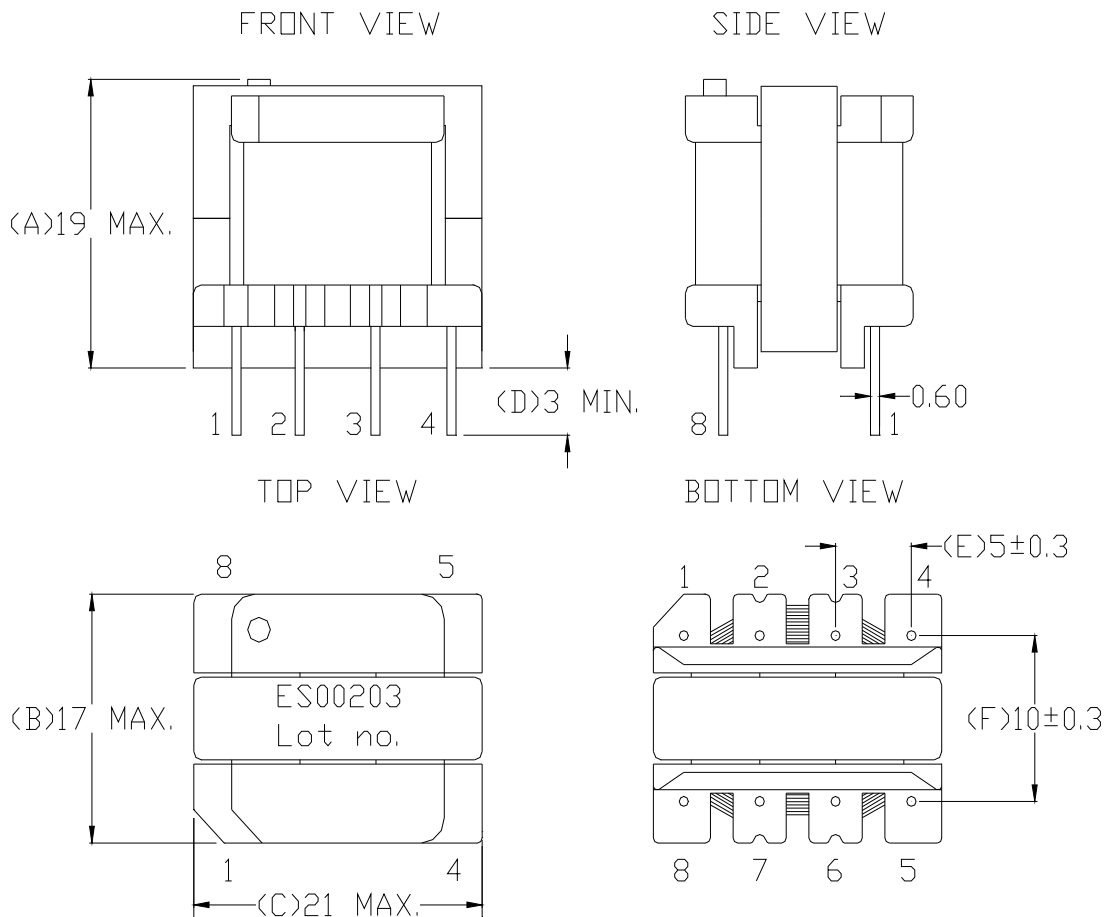




1. Components list.

<u>Item.</u>	<u>Material.</u>	<u>Manufacturer.</u>
1. Bobbin EE-19	Phenolic (UL94V-0)	Chang chun plastic co., ltd UL no. E59481(S). or equivalent.
2. Core EE-19/16/5	PC40	Xuyi or equivalent.
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. T.I.W. wire	Tripple insulating wire (130 deg.c)	Dah Jin Technology.co.,ltd UL no. E236542.
5. Insulation tape	Polyester #1350F-1 (130 deg.c) Polyester #35660 (130 deg.c)	3M UL No.E17385. Symbio INC UL.no. E50292.
6. Solder bar	Sn / Cu	Ultra core or equivalent.
7. Varnish	Ultimeg 2000/380	A.E.V PLC UL no. E220579 or equivalent.

The drawing and dimension in milimetre unit.



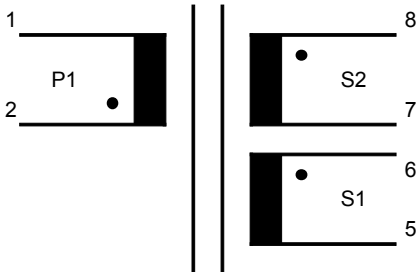
KV ELECTRONICS CO., LTD.

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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. : ES00203
 Drawing no. :
 Description : Transformer EE-19
 KV no. : 15115
 Revision : 00



2. Schematic diagram and winding instruction.



- P1 Pin 2 – 1 = Wire 0.25 mm. / 86 Ts.
Insulation 3 Ts.
- S1 Pin 6 – 5 = TEX-E Wire 0.32 mm. / 16 Ts.
Insulation 1 Ts.
- S2 Pin 8 – 7 = TEX-E Wire 0.25 mm. / 16 Ts.
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	2 – 1	1.00 mH +/-12%	0.99	0.96	1.01	0.96	0.96							
Leakaged Inductance At 10KHz, 1V (LK) (Shorted 5,6,7,8)	2 – 1	45.00 uH Max.	28.50	29.00	29.20	31.10	28.30							
DC-Resistance (DCR)	2 – 1	1.20 Ohm Max.	0.93	0.93	0.93	0.93	0.93							
Voltage ratio test. I/P 2-1, 20KHz, 1Vrms	6 – 5	0.180 – 0.191 Vrms	0.186	0.186	0.186	0.186	0.186							
	8 – 7	0.180 – 0.191 Vrms	0.186	0.186	0.186	0.186	0.186							
Hi-Potential test. 1mA 50Hz	Apply 2000Vac between P1 to S1,S2 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	17.01	15.32	19.48	3.5	5.02	10.04
2	17.15	15.17	19.49	3.5	4.98	10.02
3	17.19	15.18	19.50	3.5	5.03	10.14
4	17.16	15.28	19.43	3.5	5.05	9.92
5	17.15	15.21	19.46	3.5	4.95	9.97

Test date : March 6, 2015
 Test by : Apiwat