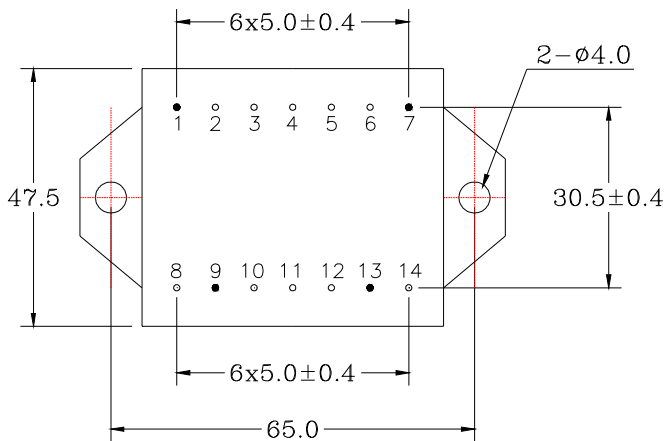
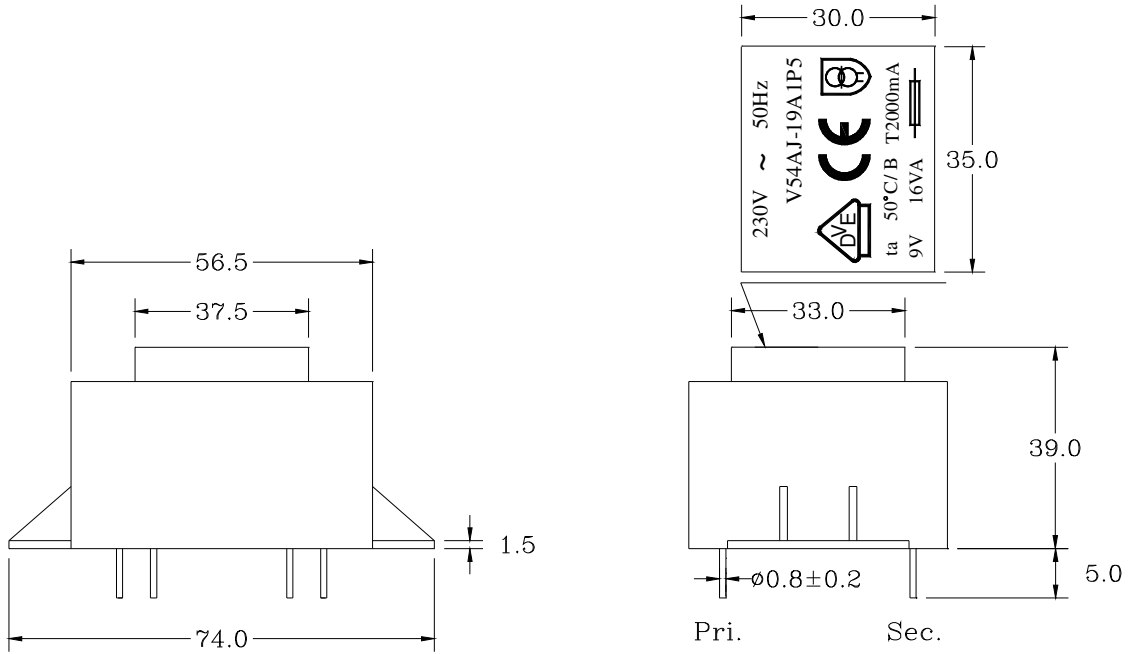


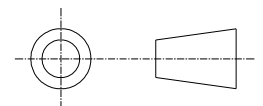
## Dimensions and Diagram



**Notes:**

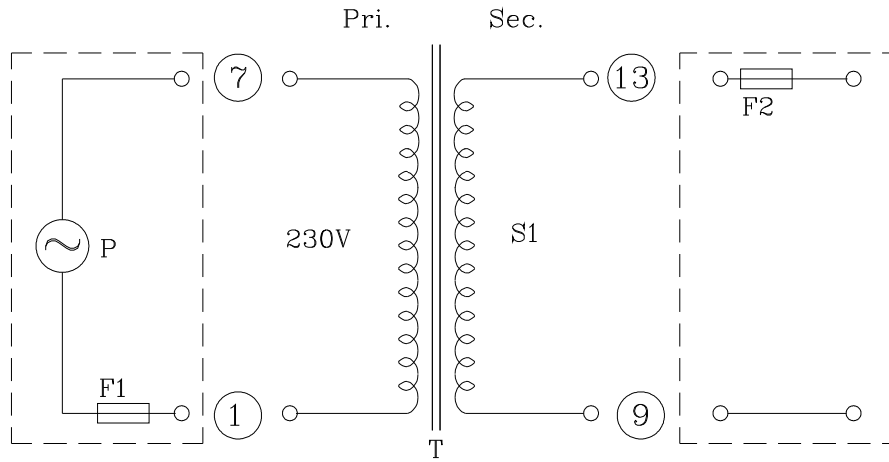
1. Unit: mm
2. Marking: pad-print on top of case, letter in white, background in black
3. Pins exist at position: 1, 7, 9, 13.
4. The other tolerance is follows:
 

x.	$\pm 1.5$
.x	$\pm 1.0$
.xx	$\pm 0.50$



## Electrical Characteristics

### Circuit diagram:



P ---- Power Supply

T ---- Transformer

F1-F2 ---- Additional External Protection Device, F2=2000mA

Remark: The transformer need additional external protection device in it's primary circuit and secondary circuit when Used by user, including testing in Lab. (Pls refer to the circuit diagram for detail. )

**Tabel-1: Secondary loaded voltage:**

Primary input			S1 with 2.0A current fuse	S2	S3	S4	S5
	Rated load	Load	1778mA ac				
230Vac 50 Hz	1	Standard	9.0Vac				
		No Load	0m A				
230Vac 50Hz	1	Standard	11.1Vac Max.				
		No Load	0m A				
253Vac 50 Hz	2	Load					
		Standard					
207Vac 50 Hz	3	Load					
		Standard					
	4	Load					
		Standard					

Tabel-1 notes:

1.If not specified, the secondary voltage tolerance is  $\pm 5\%$ .

## Electrical Characteristics

**Standard atmospheric conditions:**

Unless otherwise specified, the standard range of atmospheric conditions for marking measurements and tests are as follows:

Ambient temperature : 15°C to 35°C

Relative humidity : 25% to 85%

If there is doubt about the results, measurement shall be made within the following limits:

Ambient temperature : 20°C ± 1°C

Relative humidity : 63% to 67%

Operating temperature range:

-10°C to +50°C

1	Output voltage and current	<input checked="" type="checkbox"/> Measured in a.c. circuit <input type="checkbox"/> D.C. circuit including rectifying circuit	Refer to Page 4
2	Rated primary voltage	<input checked="" type="checkbox"/> 50Hz <input type="checkbox"/> 60HZ <input type="checkbox"/> Both 50Hz and 60Hz	<u>230V</u>
3	No load current	Input <u>230Vac</u> , <u>50Hz</u>	<u>37mA</u> or less
4	Stand-by consumption	Input <u>230Vac</u> , <u>50Hz</u>	--- W or less
5	Secondary voltage		Refer to Page 4
6	Insulation resistance	Apply a voltage of 500V d.c. for 1min.: Between the primary and core Between the primary and secondary	<u>100M</u> Ω or more
7	Dielectric strength	Between primary and secondary: <u>3.75 KVac</u> for 1min. 2mA	No damage such as Breakdown, etc.
8	Layer dielectric strength	Apply <u>(A)</u> V, 400Hz for 15s to the primary terminal of <u>(B)</u> V. (A) <u>460V</u> , (B) <u>230V</u>	No damage such as Breakdown, etc.
9	Primary direct Current resistance	Between terminals of ---- and ----	--- Ω
10	Secondary direct Current resistance	Between terminals of ---- and ----	--- Ω
11	Temperature rise	The voltage of <u>(A)</u> V shall be applied to the primary terminal of <u>(B)</u> V. Measurement shall be made after constant temperature are reached. (A) <u>243.8V</u> , (B) <u>230V</u>  Secondary load conditions: <input type="checkbox"/> All at the rated current <input checked="" type="checkbox"/> The input voltage is increased by 6% after the rated current is set. <input type="checkbox"/> The rated current is set, with the input voltage 10% high. <input checked="" type="checkbox"/> Other ( Ta=50°C )	Windings up to: <u>70</u> K. (by the resistance method) Iron core up to: --- K. (by the thermometer method)

### Electrical Characteristics

12	Damp heat	<p>The power transformer shall be stored at an ambient temperature of 40°C±2°C with relative humidity of 90% to 95% for 48h. Then condensation shall be removed. After which measurement shall be made within 10 min.</p>	Insulation resistance	5M Ω or more
			Dielectric strength	Clause 7 shall be satisfied. Trip current 5mA
13	Dry heat	<p>The power transformer shall be stored at an ambient temperature of 100°C±3°C for 6h. After which measurement shall be made within 10 min.</p>	Insulation resistance	5M Ω or more
			Dielectric strength	Clause 7 shall be satisfied. Trip current 5mA
14	Abnormal temperature test	<input type="checkbox"/> 15-day test <input checked="" type="checkbox"/> Short-circuit and overload test with		Windings up to: <u>175.0</u> °C
15	Beat noise (Hum)			<u>28</u> dB or less
16	Thermo-protector	Primary windings built in / thermal fuse.		
17	Mass			<u>420</u> g (reference)