

# 50/60HZ PCB MOUNT TRANSFORMERS – EE RANGE

## 0.35W EE20-6.1 PE20 SERIES

### FEATURES:

- It is miniaturised to be easily PCB mounted.
- It has very high insulation of 4000Vrms Hi-pot.
- It accords with UL94V-0 flammability requirements.
- Heat-resistance reaches 130°C

### OPTIONS:

- Packaging unit: 50 pieces
- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

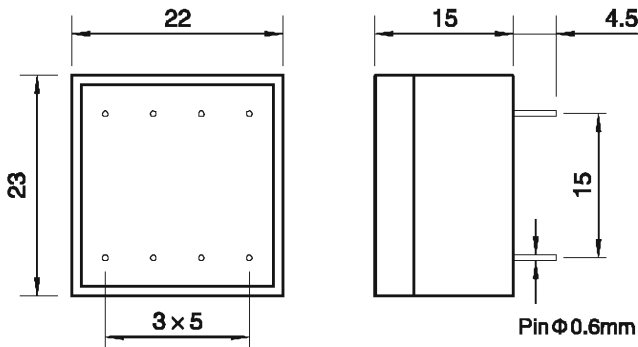
- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

### ELECTRICAL CHARACTERISTICS (@ 25°C)

Part Number	Primary (V)	Secondary (V/mA)	No-load voltage(V)	Fig.	Part Number	Primary (V)	Secondary (V/mA)	No-load voltage(V)	Fig.
PE200601	230	6 / 58.0	10.80	1	PE200613	115	6 / 58.0	10.80	1
PE200602	230	9 / 39.0	16.50	1	PE200614	115	9 / 39.0	16.50	1
PE200603	230	12 / 29.0	21.90	1	PE200615	115	12 / 29.0	21.90	1
PE200604	230	15 / 23.0	27.00	1	PE200616	115	15 / 23.0	27.00	1
PE200605	230	18 / 19.0	31.50	1	PE200617	115	18 / 19.0	31.50	1
PE200606	230	24 / 14.0	41.70	1	PE200618	115	24 / 14.0	41.70	1
PE200607	230	2 × 6 / 29.0	2 × 10.95	2	PE200619	115	2 × 6 / 29.0	2 × 10.95	2
PE200608	230	2 × 9 / 19.0	2 × 15.60	2	PE200620	115	2 × 9 / 19.0	2 × 15.60	2
PE200609	230	2 × 12 / 14.0	2 × 20.70	2	PE200621	115	2 × 12 / 14.0	2 × 20.70	2
PE200610	230	2 × 15 / 12.0	2 × 26.00	2	PE200622	115	2 × 15 / 12.0	2 × 26.00	2
PE200611	230	2 × 18 / 9.5	2 × 31.20	2	PE200623	115	2 × 18 / 9.5	2 × 31.20	2
PE200612	230	2 × 24 / 7.0	2 × 41.90	2	PE200624	115	2 × 24 / 7.0	2 × 41.90	2

- Frequency 50/60Hz
- Split-bobbin
- Short-circuit-proof
- Potted under vacuum
- Temperature class to 70°C/B
- weight: 0.024kg

### PHYSICAL CHARACTERISTICS



All dimensions in mm

### TECHNICAL INFORMATION

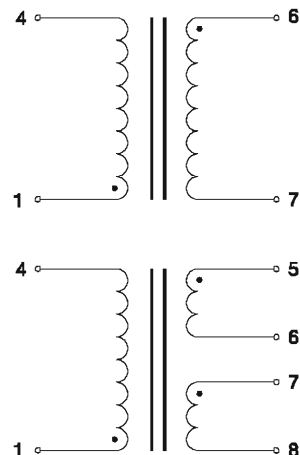
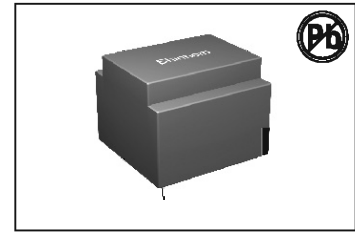


Fig 1

Fig 2

# 50/60HZ PCB MOUNT TRANSFORMERS – EE RANGE

## 0.35W EE20–10 PE20 SERIES



### FEATURES:

- It is miniaturised to be easily PCB mounted.
- It has very high insulation of 4000Vrms HI-pot.
- It accords with UL94V-0 flammability requirements.
- Heat-resistance reaches 130°C

### OPTIONS:

- Packaging unit: 50 pieces
- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

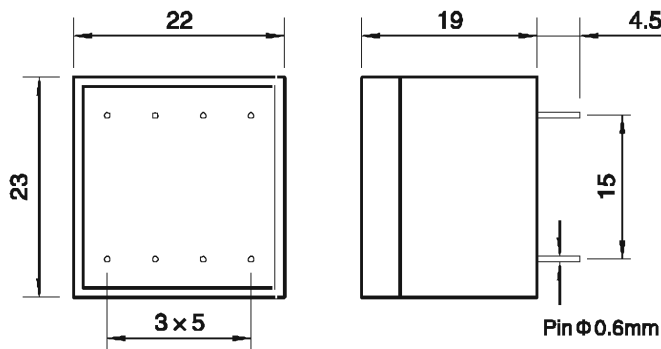
- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS (@ 25°C)

Part Number	Primary (V)	Secondary (V/mA)	No-load voltage(V)	Fig.	Part Number	Primary (V)	Secondary (V/mA)	No-load voltage(V)	Fig.
PE201011	230	6 / 83.0	8.90	1	PE201013	115	6 / 83.0	8.90	1
PE201012	230	9 / 55.0	13.50	1	PE201014	115	9 / 55.0	13.50	1
PE201013	230	12 / 42.0	19.40	1	PE201015	115	12 / 42.0	19.40	1
PE201014	230	15 / 34.0	24.60	1	PE201016	115	15 / 34.0	24.60	1
PE201015	230	18 / 28.0	29.50	1	PE201017	115	18 / 28.0	29.50	1
PE201016	230	24 / 21.0	39.60	1	PE201018	115	24 / 21.0	39.60	1
PE201017	230	2 x 6 / 42.0	2 x 9.60	2	PE201019	115	2 x 6 / 42.0	2 x 9.60	2
PE201018	230	2 x 9 / 28.0	2 x 15.20	2	PE201010	115	2 x 9 / 28.0	2 x 15.20	2
PE201019	230	2 x 12 / 21.0	2 x 19.10	2	PE201011	115	2 x 12 / 21.0	2 x 19.10	2
PE201010	230	2 x 15 / 16.0	2 x 23.30	2	PE201012	115	2 x 15 / 16.0	2 x 23.30	2
PE201011	230	2 x 18 / 14.0	2 x 29.20	2	PE201013	115	2 x 18 / 14.0	2 x 29.20	2
PE201012	230	2 x 24 / 10.0	2 x 38.80	2	PE201014	115	2 x 24 / 10.0	2 x 38.80	2

- Frequency 50/60Hz
- Split-bobbin
- Short-circuit-proof
- Potted under vacuum
- Temperature class to 70°C/B
- weight: 0.035kg

## PHYSICAL CHARACTERISTICS TECHNICAL INFORMATION



All dimensions in mm

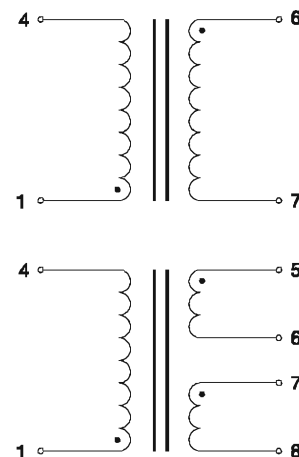


Fig 1

Fig 2



# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 0.6W EI 30-5-PE3005 SERIES

### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 40 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

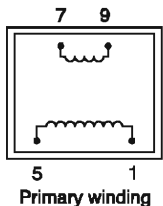
PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA
PE300513	6	100	9.94	T70B	0.6	PE300525	6	100	9.94	T70B	0.6
PE300514	9	66	14.95	T70B	0.6	PE300526	9	66	14.95	T70B	0.6
PE300515	12	50	19.9	T70B	0.6	PE300527	12	50	19.9	T70B	0.6
PE300516	15	40	24.9	T70B	0.6	PE300528	15	40	24.9	T70B	0.6
PE300517	18	33	29.9	T70B	0.6	PE300529	18	33	29.9	T70B	0.6
PE300518	24	25	39.8	T70B	0.6	PE300530	24	25	39.8	T70B	0.6
PE300519	2x6	2x50	2x9.94	T70B	0.6	PE300531	2x6	2x50	2x9.94	T70B	0.6
PE300520	2x9	2x33	2x14.95	T70B	0.6	PE300532	2x9	2x33	2x14.95	T70B	0.6
PE300521	2x12	2x25	2x19.9	T70B	0.6	PE300533	2x12	2x25	2x19.9	T70B	0.6
PE300522*	2x15	2x20	2x24.9	T70B	0.6	PE300534	2x15	2x20	2x24.9	T70B	0.6
PE300523*	2x18	2x17	2x29.9	T70B	0.6	PE300535	2x18	2x17	2x29.9	T70B	0.6
PE300524*	2x24	2x12	2x39.8	T70B	0.6	PE300536	2x24	2x12	2x39.8	T70B	0.6

\*Note: non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

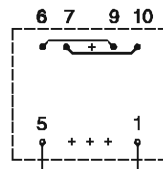
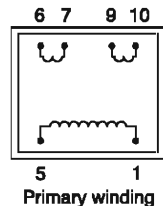
## TECHNICAL INFORMATION

- Resin class B CEI 85 (20000 h testing to CEI 126)
- Inherently short-circuits proof transformer
- UL approved primary versions: 24V, 48V, 240V (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

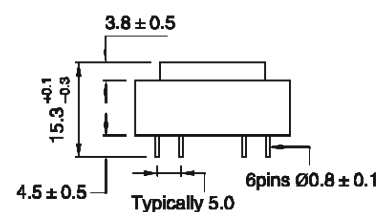
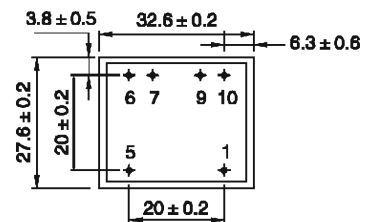
1 Secondary winding



2 Secondary winding

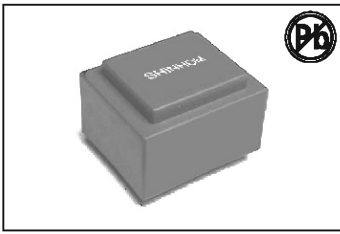


## PHYSICAL CHARACTERISTICS



All dimensions in mm

Recommended Drill-hole Diameter for 1.3mm pins



# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 1.5W EI 30-12.5-PE3012 SERIES

### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 80 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

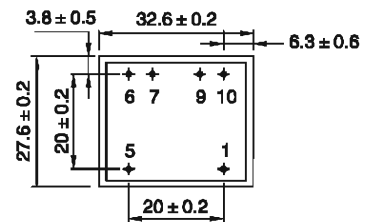
PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
PE301285	6	250	9.7	T70B	1.5	PE301297	6	250	9.7	T70B	1.5
PE301286	9	167	14.5	T70B	1.5	PE301298	9	167	14.5	T70B	1.5
PE301287	12	125	19.3	T70B	1.5	PE301299	12	125	19.3	T70B	1.5
PE301288	15	100	24.2	T70B	1.5	PE3012100	15	100	24.2	T70B	1.5
PE301289	18	83	29.8	T70B	1.5	PE3012101	18	83	29.8	T70B	1.5
PE301290	24	63	38.6	T70B	1.5	PE3012102	24	63	38.6	T70B	1.5
PE301291	2 x 6	2 x 125	2 x 9.7	T70B	1.5	PE3012103	2 x 6	2 x 125	2 x 9.7	T70B	1.5
PE301292	2 x 9	2 x 83	2 x 15	T70B	1.5	PE3012104	2 x 9	2 x 83	2 x 15	T70B	1.5
PE301293	2 x 12	2 x 63	2 x 19.3	T70B	1.5	PE3012105	2 x 12	2 x 63	2 x 19.3	T70B	1.5
PE301294	2 x 15	2 x 50	2 x 24.2	T70B	1.5	PE3012106	2 x 15	2 x 50	2 x 24.2	T70B	1.5
PE301295*	2 x 18	2 x 42	2 x 29	T70B	1.5	PE3012107	2 x 18	2 x 42	2 x 29	T70B	1.5
PE301296*	2 x 24	2 x 31	2 x 38.6	T70B	1.5	PE3012108	2 x 24	2 x 31	2 x 38.6	T70B	1.5

\* To be noted : 2 x 18 V and 2 x 24 non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

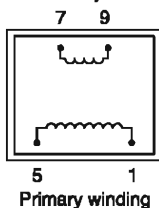
## TECHNICAL INFORMATION

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof transformer
- 30 V model is VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

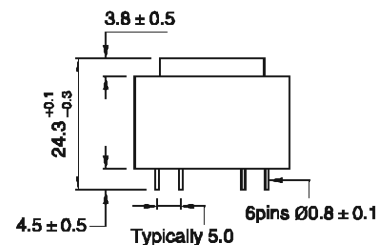
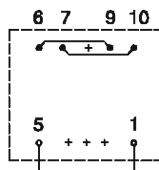
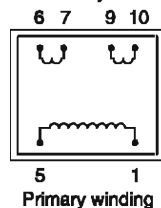
## PHYSICAL CHARACTERISTICS



1 Secondary winding



2 Secondary winding

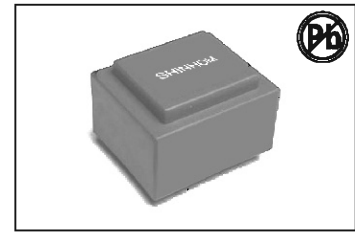


All dimensions in mm

Recommended Drill-hole Diameter for 1.3mm pins

# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 1W EI 30-10.5-PE3010 SERIES



### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 70 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

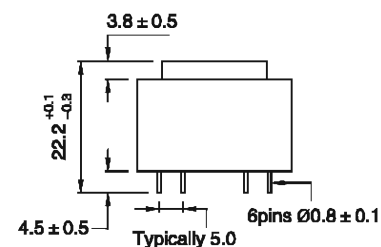
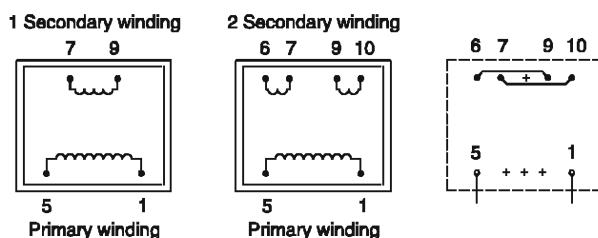
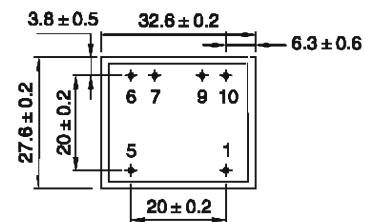
## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
PE301049	6	167	8.6	T70B	1	PE301081	6	167	8.6	T70B	1
PE301050	9	111	12.9	T70B	1	PE301062	9	111	12.9	T70B	1
PE301051	12	83	17.2	T70B	1	PE301063	12	83	17.2	T70B	1
PE301052	15	67	21.6	T70B	1	PE301064	15	67	21.6	T70B	1
PE301053	18	56	25.9	T70B	1	PE301065	18	56	25.9	T70B	1
PE301054	24	42	37.9	T70B	1	PE301066	24	42	37.9	T70B	1
PE301055	2 x 6	2 x 83	2 x 8.6	T70B	1	PE301067	2 x 6	2 x 83	2 x 8.6	T70B	1
PE301056	2 x 9	2 x 56	2 x 12.9	T70B	1	PE301068	2 x 9	2 x 56	2 x 12.9	T70B	1
PE301057	2 x 12	2 x 42	2 x 19	T70B	1	PE301069	2 x 12	2 x 42	2 x 19	T70B	1
PE301058	2 x 15	2 x 33	2 x 23.6	T70B	1	PE301070	2 x 15	2 x 33	2 x 23.6	T70B	1
PE301059	2 x 18	2 x 28	2 x 24.9	T70B	1	PE301071	2 x 18	2 x 28	2 x 24.9	T70B	1
PE301060*	2 x 24	2 x 21	2 x 37.9	T70B	1	PE301072	2 x 24	2 x 21	2 x 37.9	T70B	1

\* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558-2-6 (isolating transformer).

## TECHNICAL INFORMATION      PHYSICAL CHARACTERISTICS

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof transformer
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

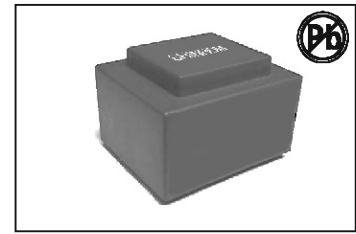


All dimensions in mm

Recommended Drill-hole Diameter for 1.3mm pins

# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 10W EI 48–16.8–PE4816 SERIES



### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 300 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

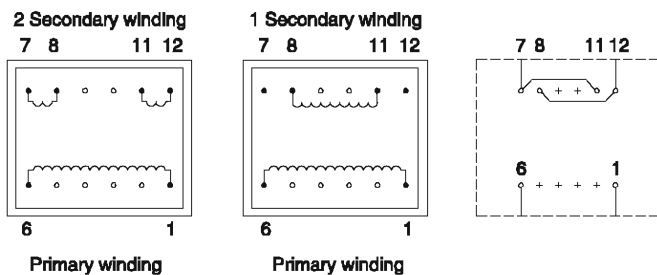
## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA
PE481665	6	1667	7.2	T50B	10	PE481677	6	1667	7.2	T50B	10
PE481668	9	1111	10.8	T50B	10	PE481678	9	1111	10.8	T50B	10
PE481667	12	833	14.4	T50B	10	PE481679	12	833	14.4	T50B	10
PE481668	15	667	18.1	T50B	10	PE481680	15	667	18.1	T50B	10
PE481669	18	556	21.6	T50B	10	PE481681	18	556	21.6	T50B	10
PE481670	24	417	28.9	T50B	10	PE481682	24	417	28.9	T50B	10
PE481671	2 × 6	2 × 833	2 × 7.2	T50B	10	PE481683	2 × 6	2 × 833	2 × 7.2	T50B	10
PE481672	2 × 9	2 × 556	2 × 10.8	T50B	10	PE481684	2 × 9	2 × 556	2 × 10.8	T50B	10
PE481673	2 × 12	2 × 417	2 × 14.4	T50B	10	PE481685	2 × 12	2 × 417	2 × 14.4	T50B	10
PE481674	2 × 15	2 × 333	2 × 18.1	T50B	10	PE481686	2 × 15	2 × 333	2 × 18.1	T50B	10
PE481675	2 × 18	2 × 278	2 × 21.6	T50B	10	PE481687	2 × 18	2 × 278	2 × 21.6	T50B	10
PE481676*	2 × 24	2 × 208	2 × 28.9	T50B	10	PE481688	2 × 24	2 × 208	2 × 28.9	T50B	10

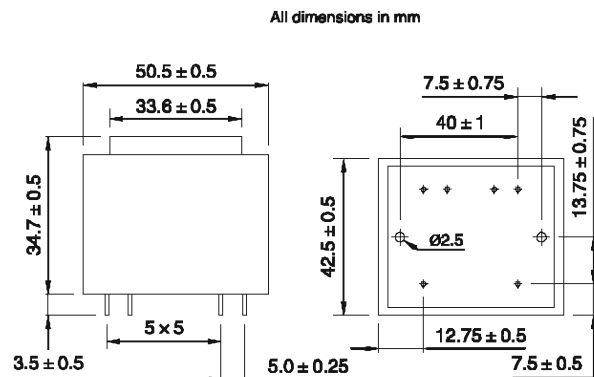
\* To be noted : marked transformers are non-approved. Protection transformers according to EN 60742 circuit isolation transformer.

## TECHNICAL INFORMATION

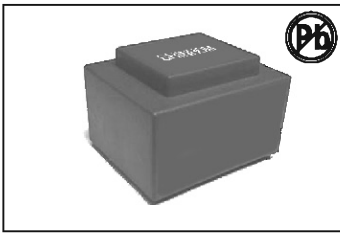
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on primary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 60742 certified (production on request)
- Insulation voltage 4 kV
- 100% tested production
- Certification : CCA procedure on request



## PHYSICAL CHARACTERISTICS



Recommended Drill-hole Diameter for 1.3mm plns  
Recommended Drill-hole Diameter for Mountings=4mm



# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 16W EI 54-18.8-PE5418 SERIES

### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 400 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

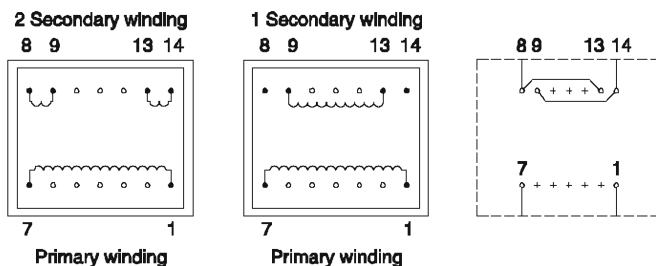
## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA
PE541801	6	2667	7.4	T50B	16	PE541813	6	2667	7.4	T50B	16
PE541802	9	1778	11.1	T50B	16	PE541814	9	1778	11.1	T50B	16
PE541803	12	1333	14.7	T50B	16	PE541815	12	1333	14.7	T50B	16
PE541804	15	1067	18.4	T50B	16	PE541816	15	1067	18.4	T50B	16
PE541805	18	889	22.1	T50B	16	PE541817	18	889	22.1	T50B	16
PE541806	24	667	29.3	T50B	16	PE541818	24	667	29.3	T50B	16
PE541807	2 x 6	2 x 1333	2 x 7.4	T50B	16	PE541819	2 x 6	2 x 1333	2 x 7.4	T50B	16
PE541808	2 x 9	2 x 889	2 x 11.1	T50B	16	PE541820	2 x 9	2 x 889	2 x 11.1	T50B	16
PE541809	2 x 12	2 x 667	2 x 14.7	T50B	16	PE541821	2 x 12	2 x 667	2 x 14.7	T50B	16
PE541810	2 x 15	2 x 533	2 x 18.4	T50B	16	PE541822	2 x 15	2 x 533	2 x 18.4	T50B	16
PE541811	2 x 18	2 x 444	2 x 22	T50B	16	PE541823	2 x 18	2 x 444	2 x 22	T50B	16
PE541812*	2 x 24	2 x 333	2 x 29.3	T50B	16	PE541824	2 x 24	2 x 333	2 x 29.3	T50B	16

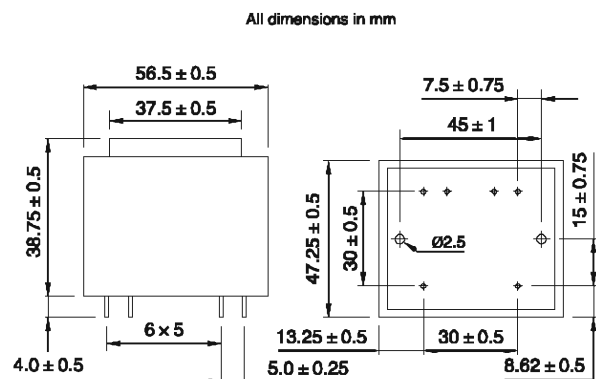
\* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

## TECHNICAL INFORMATION

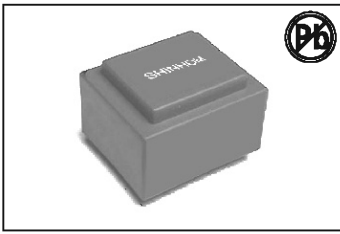
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on secondary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request



## PHYSICAL CHARACTERISTICS



Recommended Drill-hole Diameter for 1.3mm pins  
Recommended Drill-hole Diameter for Mountings=4mm



# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 2.3W EI 30-18-PE3018 SERIES

### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 80 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

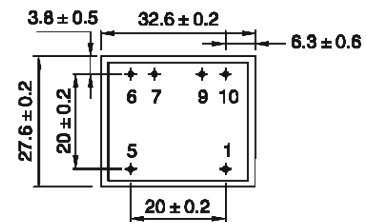
PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA
PE301857	6	383	10.5	T70B	2.3	PE301869	6	383	10.5	T70B	2.3
PE301858	9	256	15.7	T70B	2.3	PE301870	9	256	15.7	T70B	2.3
PE301859	12	192	21	T70B	2.3	PE301871	12	192	21	T70B	2.3
PE301860	15	153	25.9	T70B	2.3	PE301872	15	153	25.9	T70B	2.3
PE301861	18	128	31.4	T70B	2.3	PE301873	18	128	31.4	T70B	2.3
PE301862	24	96	41.9	T70B	2.3	PE301874	24	96	41.9	T70B	2.3
PE301863	2 x 6	2 x 192	2 x 10.5	T70B	2.3	PE301875	2 x 6	2 x 192	2 x 10.5	T70B	2.3
PE301864	2 x 9	2 x 128	2 x 15.7	T70B	2.3	PE301876	2 x 9	2 x 128	2 x 15.7	T70B	2.3
PE301865	2 x 12	2 x 96	2 x 21	T70B	2.3	PE301877	2 x 12	2 x 96	2 x 21	T70B	2.3
PE301866	2 x 15	2 x 77	2 x 25.9	T70B	2.3	PE301878	2 x 15	2 x 77	2 x 25.9	T70B	2.3
PE301867*	2 x 18	2 x 64	2 x 31.4	T70B	2.3	PE301879	2 x 18	2 x 64	2 x 31.4	T70B	2.3
PE301868*	2 x 24	2 x 48	2 x 41.9	T70B	2.3	PE301880	2 x 24	2 x 48	2 x 41.9	T70B	2.3

\*To be noted : 2 x 18 V and 2 x 24 non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

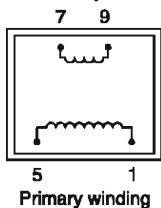
## TECHNICAL INFORMATION

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof transformer
- 30 V model is VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

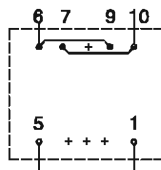
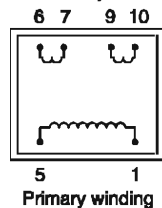
## PHYSICAL CHARACTERISTICS



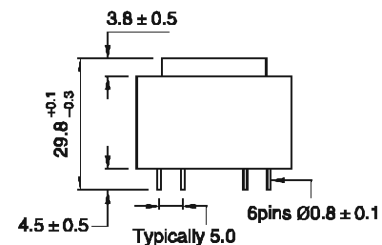
1 Secondary winding



2 Secondary winding



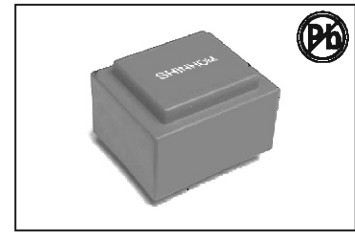
All dimensions in mm



Recommended Drill-hole Diameter for 1.3mm pins

# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 2W EI 30-15.5-PE3015 SERIES



### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 100 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

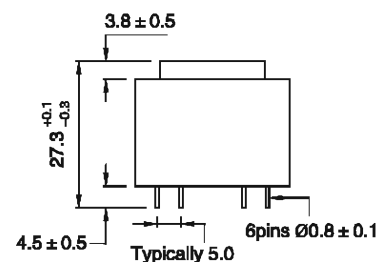
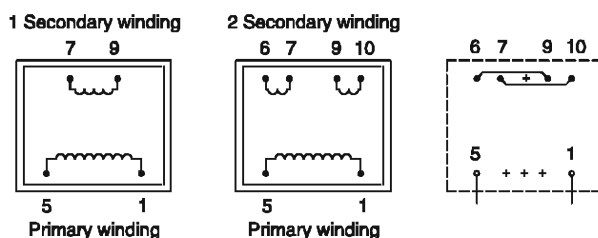
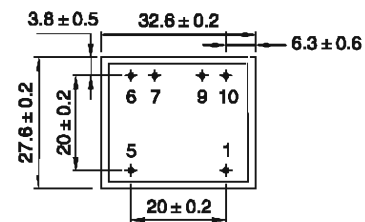
## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
PE301521	6	333	10.4	T70B	2	PE301533	6	333	10.4	T70B	2
PE301522	9	222	15.5	T70B	2	PE301534	9	222	15.5	T70B	2
PE301523	12	167	20.7	T70B	2	PE301535	12	167	20.7	T70B	2
PE301524	15	133	25.8	T70B	2	PE301536	15	133	25.8	T70B	2
PE301525	18	111	30.8	T70B	2	PE301537	18	111	30.8	T70B	2
PE301526	24	83	41.4	T70B	2	PE301538	24	83	41.4	T70B	2
PE301527	2 x 6	2 x 167	2 x 10.4	T70B	2	PE301539	2 x 6	2 x 167	2 x 10.4	T70B	2
PE301528	2 x 9	2 x 111	2 x 15.4	T70B	2	PE301540	2 x 9	2 x 111	2 x 15.4	T70B	2
PE301529	2 x 12	2 x 83	2 x 20.7	T70B	2	PE301541	2 x 12	2 x 83	2 x 20.7	T70B	2
PE301530	2 x 15	2 x 67	2 x 25.8	T70B	2	PE301542	2 x 15	2 x 67	2 x 25.8	T70B	2
PE301531*	2 x 18	2 x 56	2 x 30.8	T70B	2	PE301543	2 x 18	2 x 56	2 x 30.8	T70B	2
PE301532*	2 x 24	2 x 42	2 x 41.4	T70B	2	PE301544	2 x 24	2 x 42	2 x 41.4	T70B	2

\* To be noted : 2 x 18 V and 2 x 24 non safety transformer approved, conform to EN 61558-2-6 (isolating transformer).

## TECHNICAL INFORMATION      PHYSICAL CHARACTERISTICS

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof transformer
- 30 V model is VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request



All dimensions in mm

Recommended Drill-hole Diameter for 1.3mm pins

# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 22W EI 60-21-PE6021 SERIES



### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 550 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

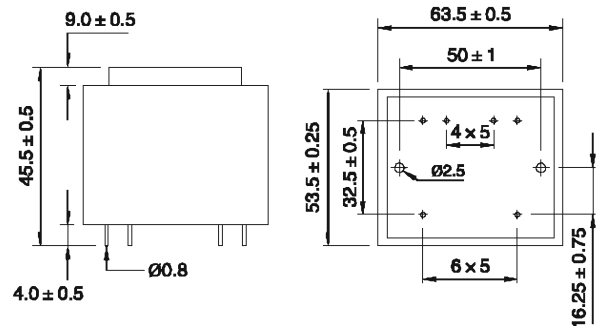
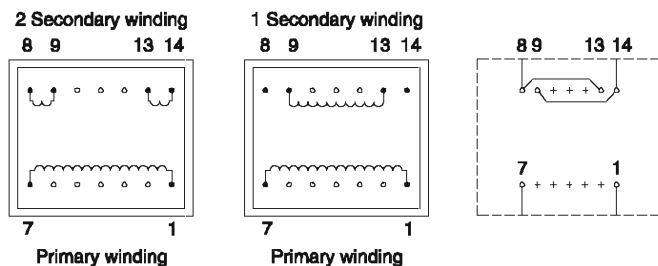
PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
PE602132	6	3667	6.8	T50B	22	PE602144	6	3667	6.8	T50B	22
PE602133	9	2444	10.3	T50B	22	PE602145	9	2444	10.3	T50B	22
PE602134	12	1833	13.7	T50B	22	PE602146	12	1833	13.7	T50B	22
PE602135	15	1467	17.1	T50B	22	PE602147	15	1467	17.1	T50B	22
PE602136	18	1222	20.5	T50B	22	PE602148	18	1222	20.5	T50B	22
PE602137	24	917	27.3	T50B	22	PE602149	24	917	27.3	T50B	22
PE602138	2 x 6	2 x 1833	2 x 6.8	T50B	22	PE602150	2 x 6	2 x 1833	2 x 6.8	T50B	22
PE602139	2 x 9	2 x 1222	2 x 10.3	T50B	22	PE602151	2 x 9	2 x 1222	2 x 10.3	T50B	22
PE602140	2 x 12	2 x 917	2 x 13.7	T50B	22	PE602152	2 x 12	2 x 917	2 x 13.7	T50B	22
PE602141	2 x 15	2 x 733	2 x 17.1	T50B	22	PE602153	2 x 15	2 x 733	2 x 17.1	T50B	22
PE602142	2 x 18	2 x 611	2 x 20.5	T50B	22	PE602154	2 x 18	2 x 611	2 x 20.5	T50B	22
PE602143*	2 x 24	2 x 458	2 x 27.3	T50B	22	PE602155	2 x 24	2 x 458	2 x 27.3	T50B	22

\* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

## TECHNICAL INFORMATION      PHYSICAL CHARACTERISTICS

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on primary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV (6 KV MYRRA test)
- 100% tested production
- Certification : CCA procedure on request

All dimensions in mm



Recommended Drill-hole Diameter for 1.3mm pins  
Recommended Drill-hole Diameter for Mountings=4mm





# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 30W EI 66-23-PE6623 SERIES

### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 700 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

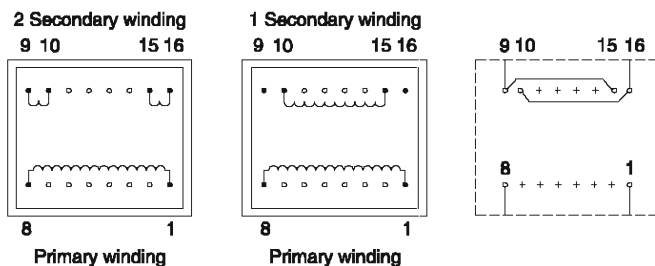
## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
PE662373	6	5000	6.9	T50B	30	PE662385	6	5000	6.9	T50B	30
PE662374	9	333	10.3	T50B	30	PE662386	9	333	10.3	T50B	30
PE662375	12	2500	13.8	T50B	30	PE662387	12	2500	13.8	T50B	30
PE662376	15	2000	17.2	T50B	30	PE662388	15	2000	17.2	T50B	30
PE662377	18	1667	20.8	T50B	30	PE662389	18	1667	20.8	T50B	30
PE662378	24	1250	27.7	T50B	30	PE662390	24	1250	27.7	T50B	30
PE662379	2 x 6	2 x 2500	2 x 6.9	T50B	30	PE662391	2 x 6	2 x 2500	2 x 6.9	T50B	30
PE662380	2 x 9	2 x 1667	2 x 10.3	T50B	30	PE662392	2 x 9	2 x 1667	2 x 10.3	T50B	30
PE662381	2 x 12	2 x 1250	2 x 13.8	T50B	30	PE662393	2 x 12	2 x 1250	2 x 13.8	T50B	30
PE662382	2 x 15	2 x 1000	2 x 17.2	T50B	30	PE662394	2 x 15	2 x 1000	2 x 17.2	T50B	30
PE662383	2 x 18	2 x 833	2 x 20.8	T50B	30	PE662395	2 x 18	2 x 833	2 x 20.8	T50B	30
PE662384*	2 x 24	2 x 625	2 x 27.7	T50B	30	PE662396	2 x 24	2 x 625	2 x 27.7	T50B	30

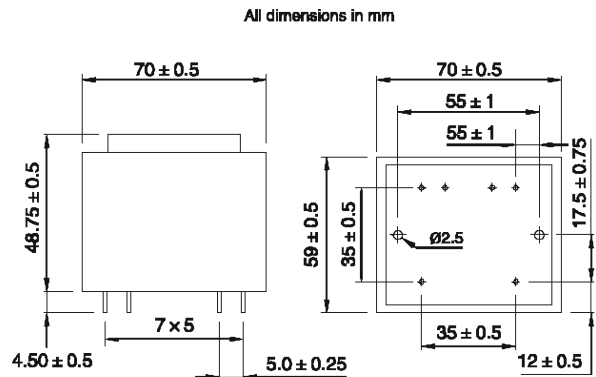
\* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558-2-6 (isolating transformer).

## TECHNICAL INFORMATION

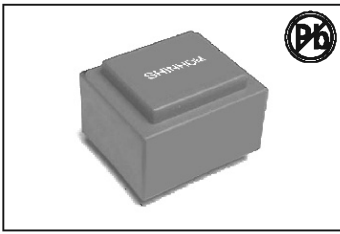
- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on primary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request



## PHYSICAL CHARACTERISTICS



Recommended Drill-hole Diameter for 1.3mm pins  
Recommended Drill-hole Diameter for Mountings=4mm



# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 5W EI 42-14.8-PE4214 SERIES

### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 200 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA
PE421429	6	833	8.4	T50B	5	PE421441	6	833	8.4	T50B	5
PE421430	9	556	12.6	T50B	5	PE421442	9	556	12.6	T50B	5
PE421431	12	417	16.9	T50B	5	PE421443	12	417	16.9	T50B	5
PE421432	15	333	21	T50B	5	PE421444	15	333	21	T50B	5
PE421433	18	278	25.3	T50B	5	PE421445	18	278	25.3	T50B	5
PE421434	24	208	33.7	T50B	5	PE421446	24	208	33.7	T50B	5
PE421435	2 x 6	2 x 417	2 x 8.4	T50B	5	PE421447	2 x 6	2 x 417	2 x 8.4	T50B	5
PE421436	2 x 9	2 x 278	2 x 12.6	T50B	5	PE421448	2 x 9	2 x 278	2 x 12.6	T50B	5
PE421437	2 x 12	2 x 208	2 x 16.9	T50B	5	PE421449	2 x 12	2 x 208	2 x 16.9	T50B	5
PE421438	2 x 15	2 x 167	2 x 21	T50B	5	PE421450	2 x 15	2 x 167	2 x 21	T50B	5
PE421439	2 x 18	2 x 139	2 x 25.3	T50B	5	PE421451	2 x 18	2 x 139	2 x 25.3	T50B	5
PE421440*	2 x 24	2 x 104	2 x 33.7	T50B	5	PE421452	2 x 24	2 x 104	2 x 33.7	T50B	5

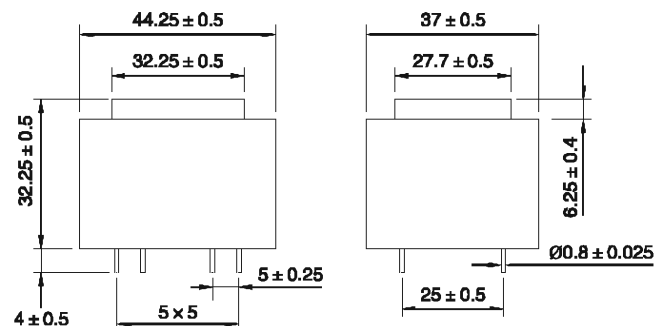
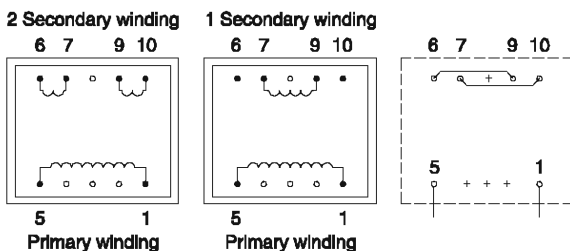
\* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

## TECHNICAL INFORMATION

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on secondary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

## PHYSICAL CHARACTERISTICS

All dimensions in mm



Recommended Drill-hole Diameter for 1.3mm pins



# SHAANXI SHINHOM ENTERPRISE CO.,LTD

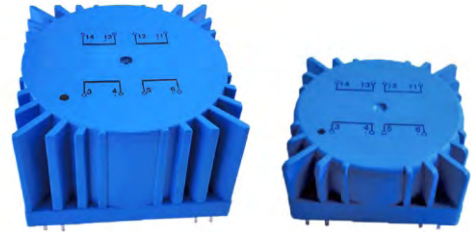
## Annular epoxy potting transformer

Part No.:PET15 PET25

Power:15VA 25VA

### Characteristics :

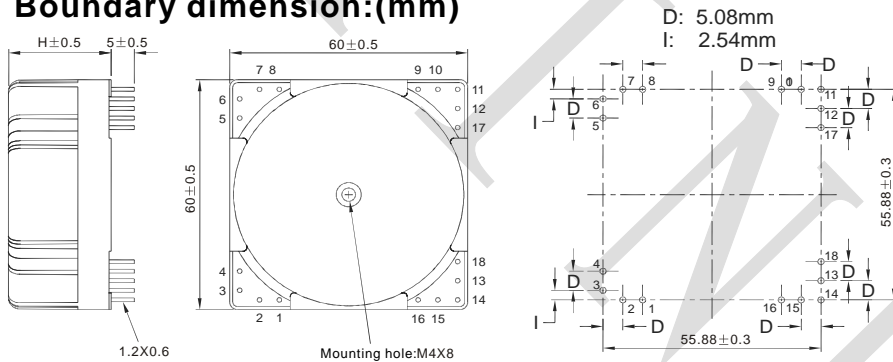
- \*Pri input voltage: 115V/230V 50/60Hz
- \*Magnetic flux leakage small, Low noise, High efficiency
- \*No-load current small
- \*Built-in M4 Fixed screw holes
- \*Circuit board welding



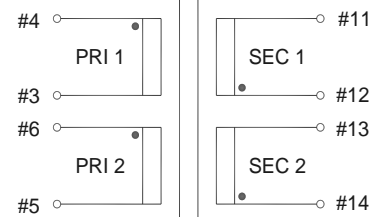
### Applications:

Medical equipment, Test equipment, Media & high-end audio equipment, Broadcast sound systems and other various devices where low standby current and high efficiency are critical

### Boundary dimension:(mm)



### Hookup:



### Electrical parameters:

#### PET 15 H:26.5mm

Pri voltage	Output power	No-load current	Voltage Regulation	Weight
115VX2±10%	15VA	≤5mA	≤20%	350g
Frequency	Insulation class	Temperature rise	Hi-Pot (Pri to Sec)	
50-60Hz	B	≤28°C	3500V AC,1min	

#### PET 25 H:37.5mm

Pri voltage	Output power	No-load current	Voltage Regulation	Weight
115VX2±10%	25VA	≤6mA	≤15%	350g
Frequency	Insulation class	Temperature rise	Hi-Pot (Pri to Sec)	
50-60Hz	B	≤30°C	3500V AC,1min	

# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE

## 1W UI 21 SERIES



### FEATURES:

- 115V–230V supply voltage by serie/parallel connection
- Vacuum filling
- One compartment housing
- Degree of protection IP 00
- 50 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

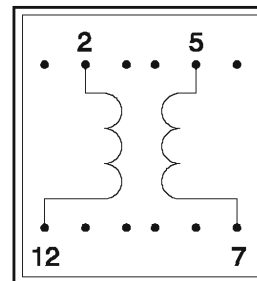
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

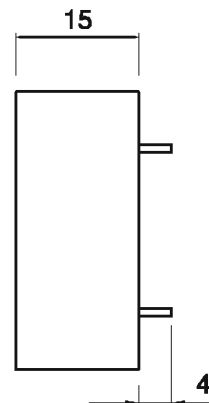
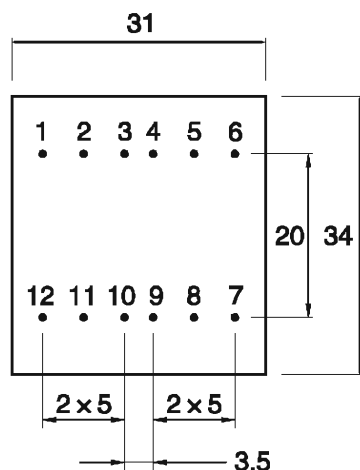
## ELECTRICAL CHARACTERISTICS TECHNICAL INFORMATION

PRIMARY VOLTAGE: 230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 2101	6	167	11.4	T70B
UI 2102	9	111	17	T70B
UI 2103	12	83	22.8	T70B
UI 2104	15	67	28.5	T70B
UI 2105	18	56	34.2	T70B
UI 2106	24	42	45.6	T70B

- Resin UL 94 VO
- Design protection against short-circuits
- Insulation voltage 4 KV
- 100% tested production



## PHYSICAL CHARACTERISTICS



All dimensions in mm

# 50/60HZ PCB MOUNT TRANSFORMERS - UI RANGE

## 10W 30 × 16.5-UI 3016 SERIES



### FEATURES:

- 115 V-230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

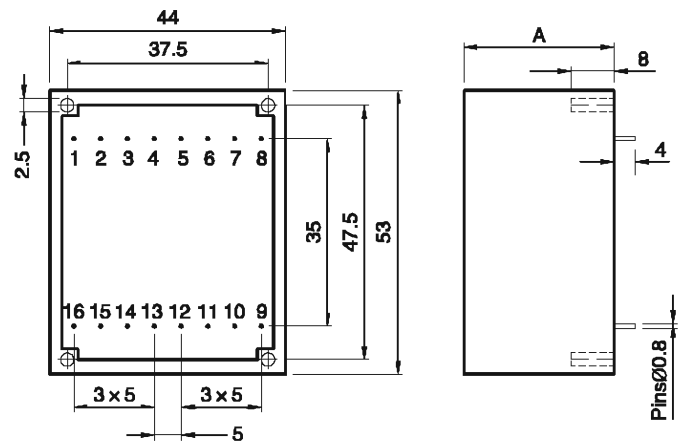
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

### ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115-230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 301631	2 × 6	2 × 833	2 × 7.9	T50B
UI 301632	2 × 9	2 × 556	2 × 11.9	T50B
UI 301633	2 × 12	2 × 417	2 × 15.9	T50B
UI 301634	2 × 15	2 × 333	2 × 19.8	T50B
UI 301635	2 × 18	2 × 278	2 × 23.7	T50B
UI 301636	2 × 24	2 × 208	2 × 31.7	T50B

### PHYSICAL CHARACTERISTICS



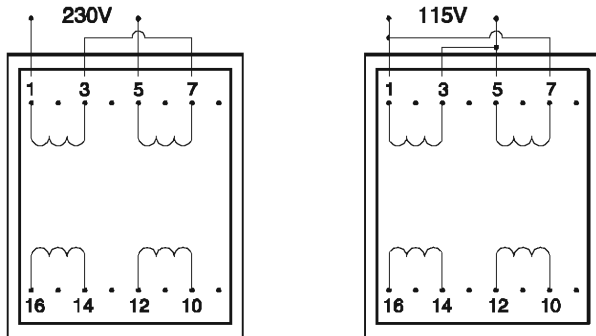
All dimensions in mm

### TECHNICAL INFORMATION

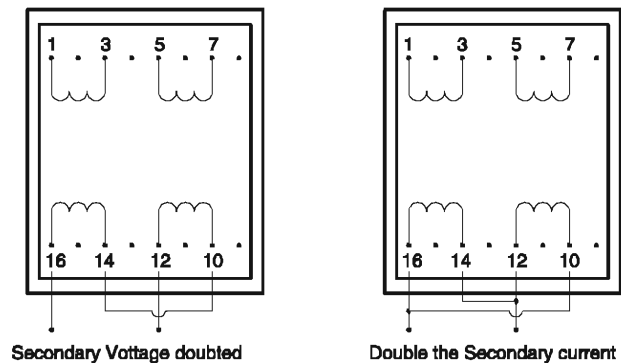
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

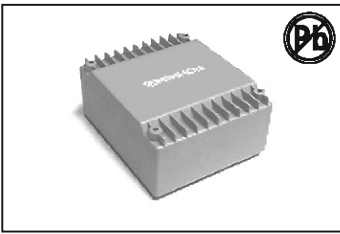
CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI30 × 5.5	2VA/3VA	A=17mm	125
UI30 × 7.5	4VA	A=19mm	150
UI30 × 10.5	6VA	A=22mm	185
UI30 × 16.5	10VA	A=28mm	260

#### Possible primary connections



#### Possible secondary connections





# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE

## 14W 39 × 10.2–UI 3910 SERIES

### FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

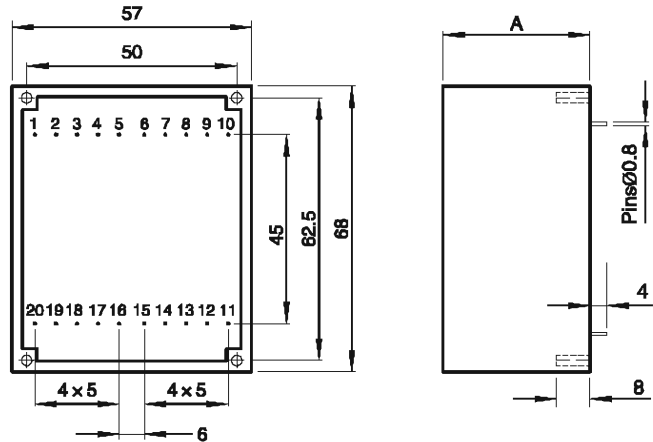
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

### ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115-230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 391043	2 × 6	2 × 1167	2 × 7.5	T50B
UI 391044	2 × 9	2 × 778	2 × 10.9	T50B
UI 391045	2 × 12	2 × 583	2 × 15.0	T50B
UI 391046	2 × 15	2 × 467	2 × 18.7	T50B
UI 391047	2 × 18	2 × 389	2 × 22.4	T50B
UI 391048	2 × 24	2 × 292	2 × 30.2	T50B

### PHYSICAL CHARACTERISTICS



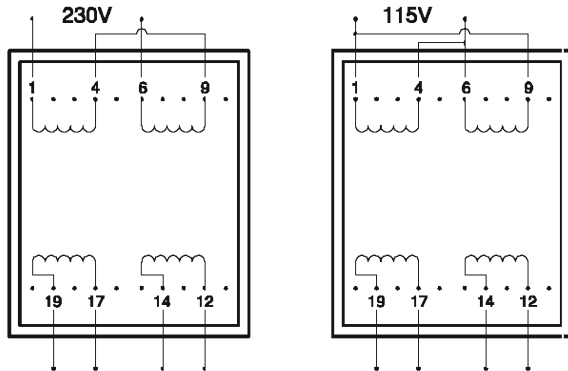
All dimensions in mm

### TECHNICAL INFORMATION

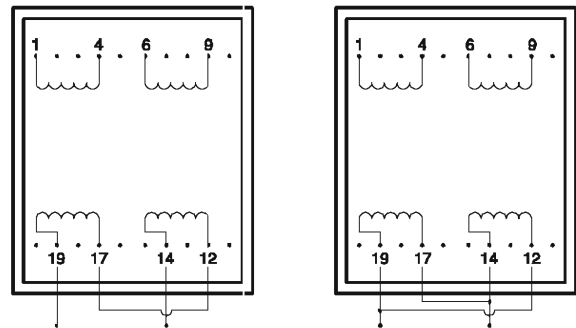
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI39 × 8	10VA	A=22mm	285
UI39 × 10.2	14VA	A=24mm	335
UI39 × 13.5	18VA	A=27mm	405
UI39 × 17	24VA	A=31mm	260
UI39 × 21	30VA	A=35mm	550

Possible primary connections



Possible secondary connections

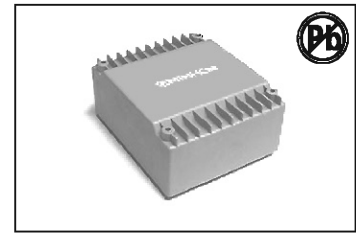


Secondary Voltage doubled

Double the Secondary current

# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE

## 18W 39 × 13.5–UI 3913 SERIES



### FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

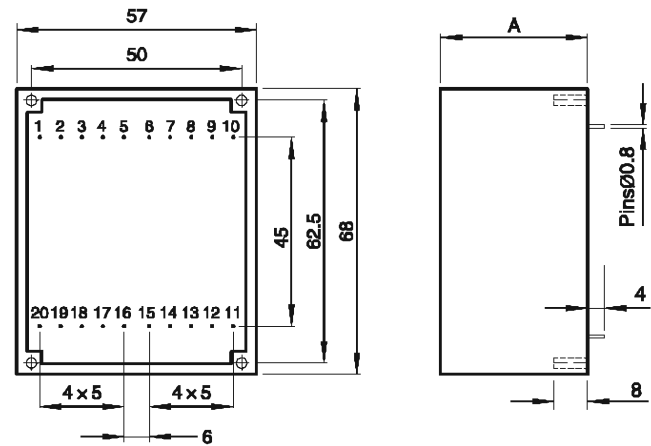
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

### ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115–230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 391349	2 × 6	2 × 1500	2 × 7.4	T50B
UI 391350	2 × 9	2 × 1000	2 × 11.0	T50B
UI 391351	2 × 12	2 × 750	2 × 14.7	T50B
UI 391352	2 × 15	2 × 600	2 × 18.3	T50B
UI 391353	2 × 18	2 × 500	2 × 22.0	T50B
UI 391354	2 × 24	2 × 375	2 × 29.4	T50B

### PHYSICAL CHARACTERISTICS



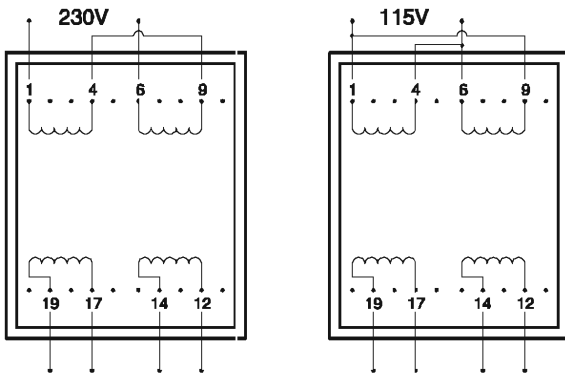
All dimensions in mm

### TECHNICAL INFORMATION

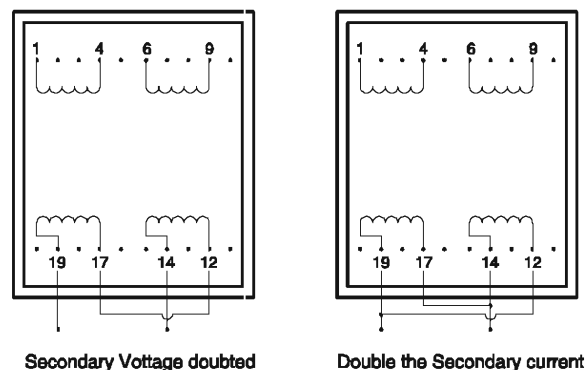
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

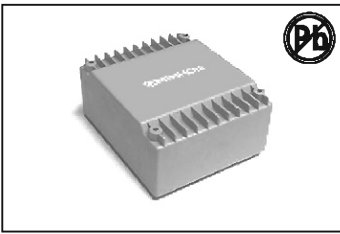
CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI39 × 8	10VA	A=22mm	285
UI39 × 10.2	14VA	A=24mm	335
UI39 × 13.5	18VA	A=27mm	405
UI39 × 17	24VA	A=31mm	260
UI39 × 21	30VA	A=35mm	550

#### Possible primary connections



#### Possible secondary connections





# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE 24W 39 × 17–UI 3917 SERIES

## FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

## OPTIONS:

- Bulk packaging is standard
- Custom design available

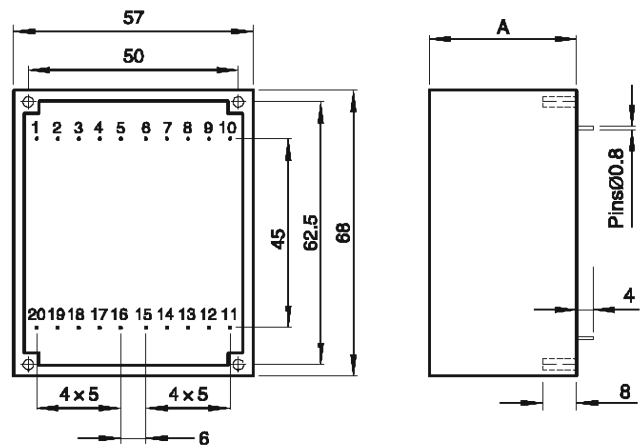
## COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115-230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 391755	2 × 6	2 × 2000	2 × 7.1	T50B
UI 391756	2 × 9	2 × 1333	2 × 10.6	T50B
UI 391757	2 × 12	2 × 1000	2 × 14.1	T50B
UI 391758	2 × 15	2 × 800	2 × 17.6	T50B
UI 391759	2 × 18	2 × 667	2 × 21.2	T50B
UI 391760	2 × 24	2 × 500	2 × 28.3	T50B

## PHYSICAL CHARACTERISTICS



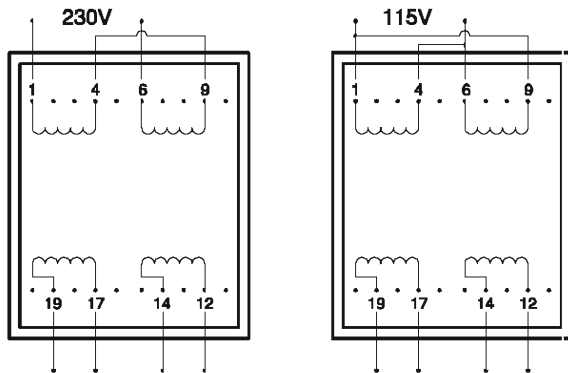
All dimensions in mm

## TECHNICAL INFORMATION

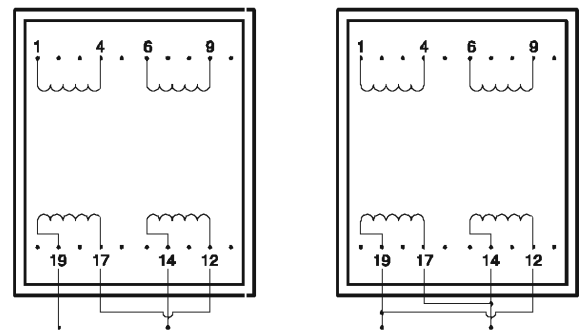
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

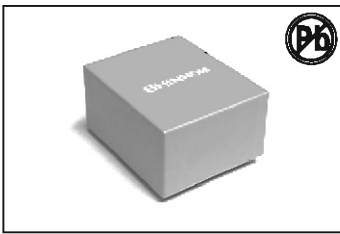
CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI39 × 8	10VA	A=22mm	285
UI39 × 10.2	14VA	A=24mm	335
UI39 × 13.5	18VA	A=27mm	405
UI39 × 17	24VA	A=31mm	260
UI39 × 21	30VA	A=35mm	550

### Possible primary connections



### Possible secondary connections





# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE 3W 30 × 5.5–UI 3005 SERIES

## FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

## OPTIONS:

- Bulk packaging is standard
- Custom design available

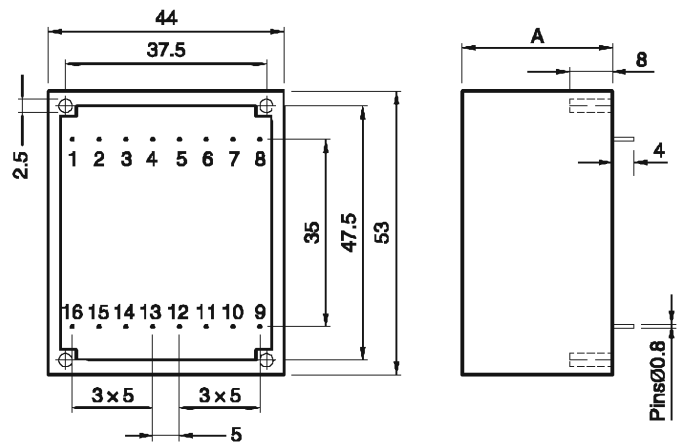
## COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115–230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 300513	2 × 6	2 × 250	2 × 9.8	T70B
UI 300514	2 × 9	2 × 167	2 × 14.7	T70B
UI 300515	2 × 12	2 × 125	2 × 19.6	T70B
UI 300516	2 × 15	2 × 100	2 × 24.5	T70B
UI 300517	2 × 18	2 × 83	2 × 29.5	T70B
UI 300518	2 × 24	2 × 63	2 × 39.3	T70B

## PHYSICAL CHARACTERISTICS



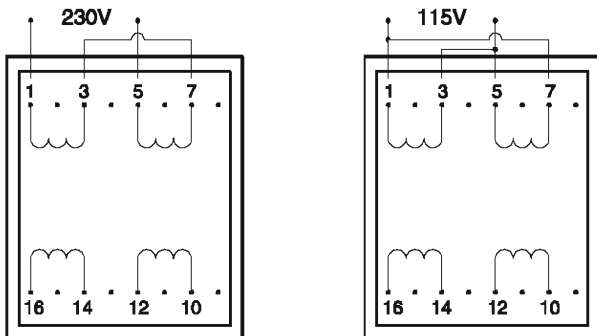
All dimensions in mm

## TECHNICAL INFORMATION

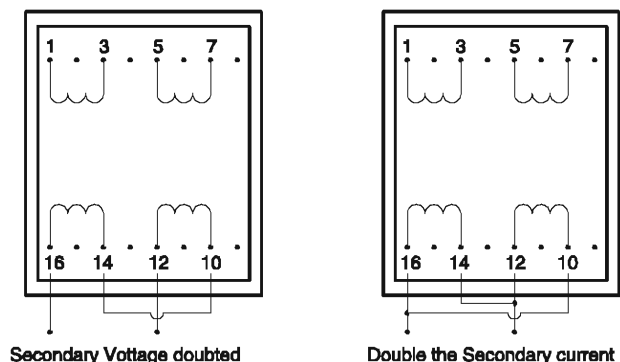
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI30 × 5.5	2VA/3VA	A=17mm	125
UI30 × 7.5	4VA	A=19mm	150
UI30 × 10.5	6VA	A=22mm	185
UI30 × 16.5	10VA	A=28mm	260

Possible primary connections

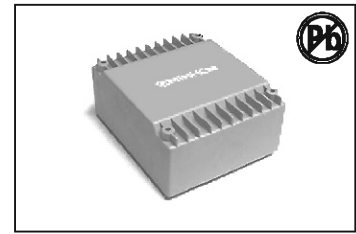


Possible secondary connections



# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE

## 30W 39 × 21–UI 3921 SERIES



### FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

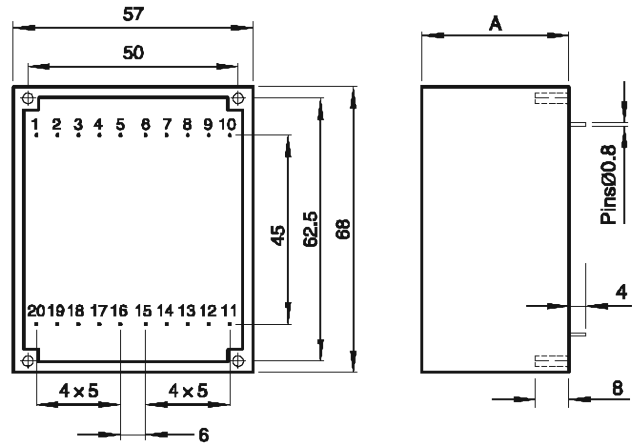
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115-230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 392161	2 × 6	2 × 2500	2 × 6.7	T50B
UI 392162	2 × 9	2 × 1667	2 × 10.15	T50B
UI 392163	2 × 12	2 × 1250	2 × 13.5	T50B
UI 392164	2 × 15	2 × 1000	2 × 16.8	T50B
UI 392165	2 × 18	2 × 883	2 × 20.2	T50B
UI 392166	2 × 24	2 × 625	2 × 27.0	T50B

## PHYSICAL CHARACTERISTICS



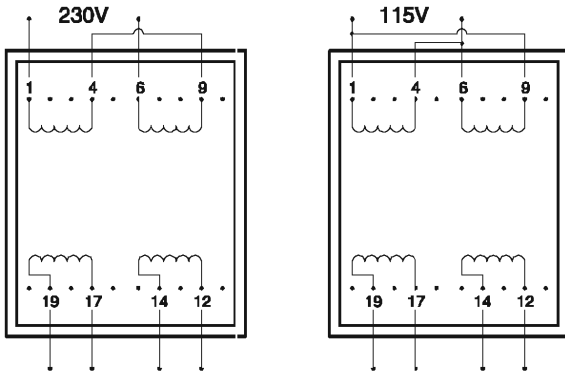
All dimensions in mm

## TECHNICAL INFORMATION

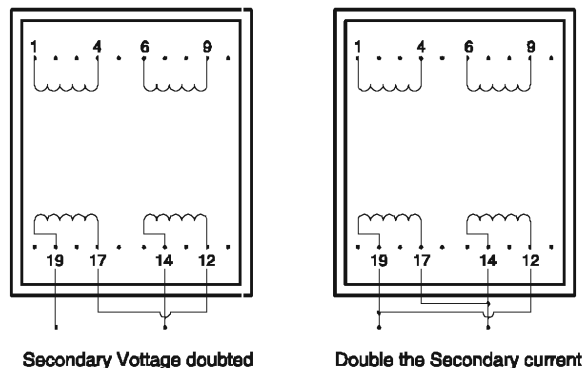
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV (6 KV MYRRA test)
- 100% tested production
- Conform to EN 61558 Approval under process

CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI39 × 8	10VA	A=22mm	285
UI39 × 10.2	14VA	A=24mm	335
UI39 × 13.5	18VA	A=27mm	405
UI39 × 17	24VA	A=31mm	260
UI39 × 21	30VA	A=35mm	550

Possible primary connections



Possible secondary connections



# 50/60HZ PCB MOUNT TRANSFORMERS - UI RANGE

## 4W 30 × 5.5-UI 3005 SERIES



### FEATURES:

- 115 V-230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

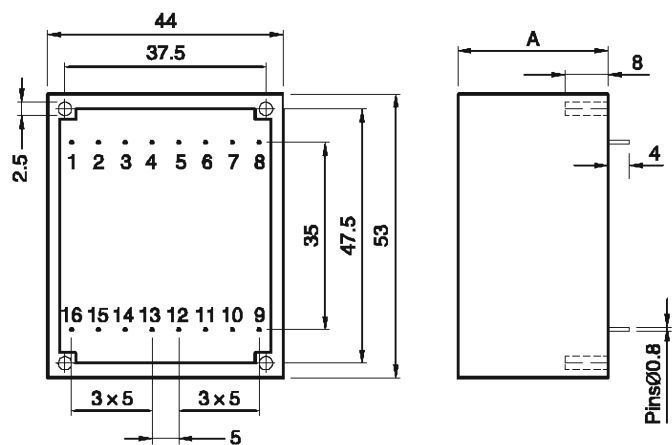
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 300519	2 × 6	2 × 333	2 × 9.4	T70B
UI 300520	2 × 9	2 × 222	2 × 14.0	T70B
UI 300521	2 × 12	2 × 167	2 × 18.6	T70B
UI 300522	2 × 15	2 × 133	2 × 23.3	T70B
UI 300523	2 × 18	2 × 111	2 × 28.0	T70B
UI 300524	2 × 24	2 × 83	2 × 37.4	T70B

## PHYSICAL CHARACTERISTICS



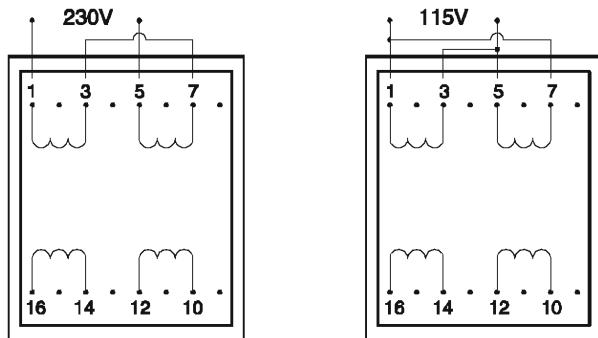
All dimensions in mm

## TECHNICAL INFORMATION

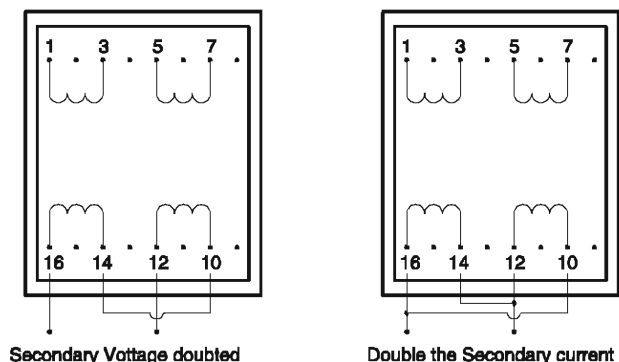
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

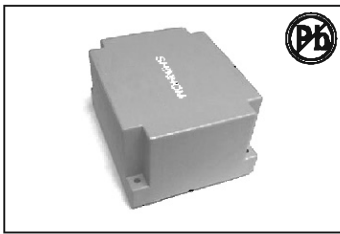
CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI30 × 5.5	2VA/3VA	A=17mm	125
UI30 × 7.5	4VA	A=19mm	150
UI30 × 10.5	6VA	A=22mm	185
UI30 × 16.5	10VA	A=28mm	260

Possible primary connections



Possible secondary connections





# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE

## 40W 48 × 17–UI 4817 SERIES

### FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

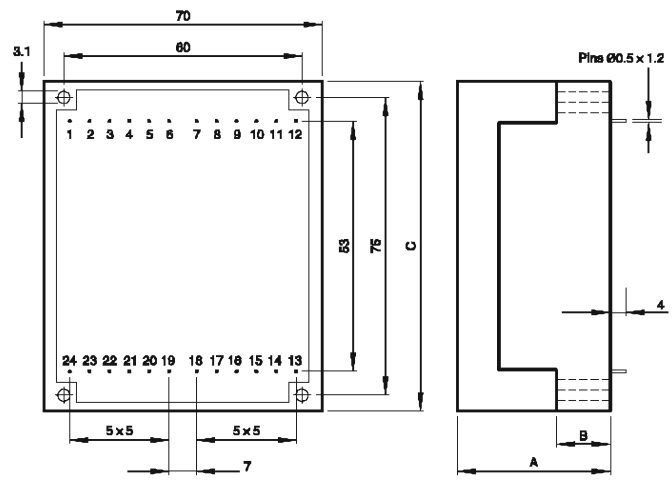
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115–230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 481767	2 × 6	2 × 3300	2 × 6.7	T50B
UI 481768	2 × 9	2 × 2222	2 × 10.0	T50B
UI 481769	2 × 12	2 × 1667	2 × 13.4	T50B
UI 481770	2 × 15	2 × 1333	2 × 16.7	T50B
UI 481771	2 × 18	2 × 1111	2 × 20.1	T50B
UI 481772	2 × 24	2 × 833	2 × 26.8	T50B

## PHYSICAL CHARACTERISTICS



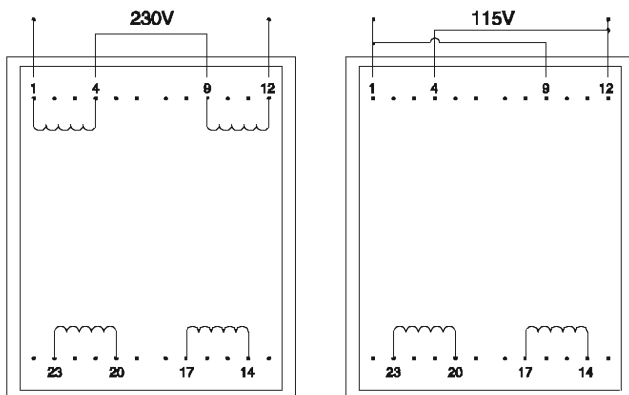
All dimensions in mm

## TECHNICAL INFORMATION

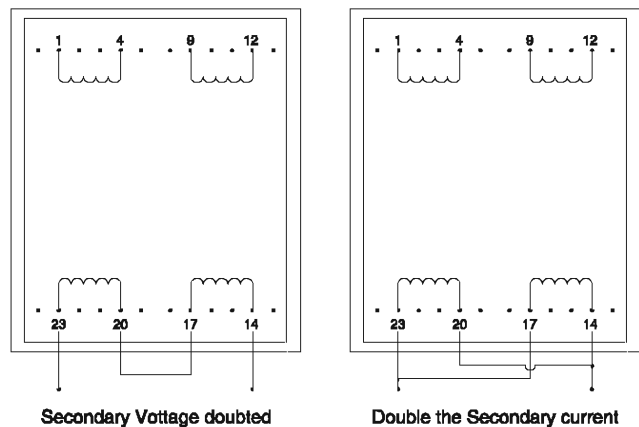
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- 100% tested production
- Conform to EN 61558 Approval under process
- UL 506 approved

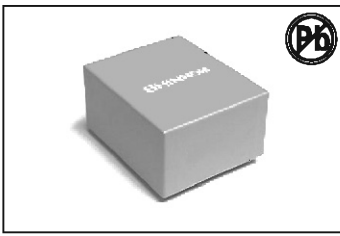
CIRCUIT	RATING	A	B	C	WEIGHT(g)
UI39 × 8	10VA	38.5	13.5	83	285
UI39 × 10.2	14VA	48.5	14.5	86	335

Possible primary connections



Possible secondary connections





# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE 6W 30 × 10.5–UI 3010 SERIES

## FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

## OPTIONS:

- Bulk packaging is standard
- Custom design available

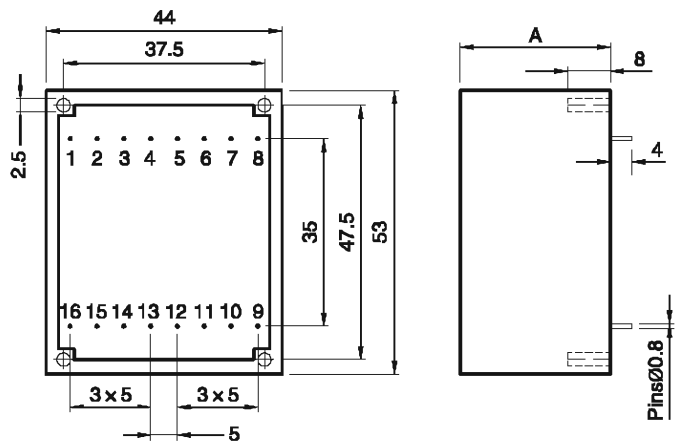
## COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 301025	2 × 6	2 × 500	2 × 8.1	T70B
UI 301026	2 × 9	2 × 333	2 × 12.1	T70B
UI 301027	2 × 12	2 × 250	2 × 16.2	T70B
UI 301028	2 × 15	2 × 200	2 × 20.2	T70B
UI 301029	2 × 18	2 × 167	2 × 24.3	T70B
UI 301030	2 × 24	2 × 125	2 × 32.3	T70B

## PHYSICAL CHARACTERISTICS



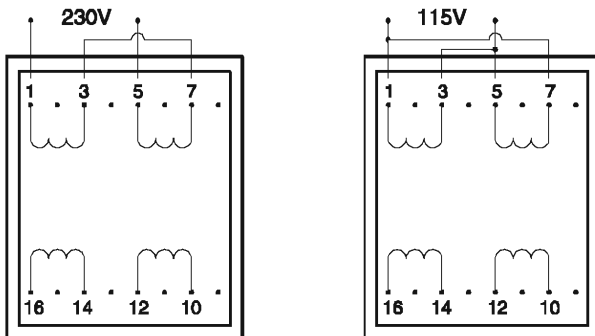
All dimensions in mm

## TECHNICAL INFORMATION

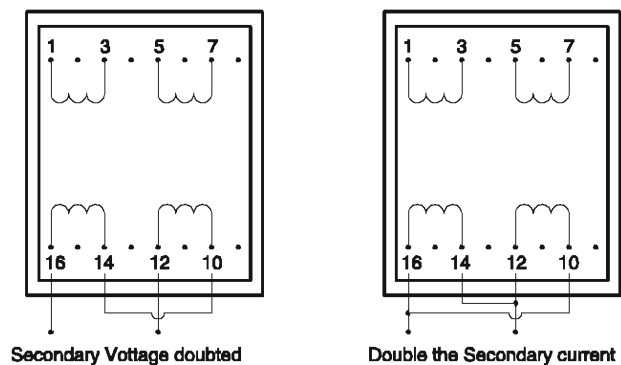
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI30 × 5.5	2VA/3VA	A=17mm	125
UI30 × 7.5	4VA	A=19mm	150
UI30 × 10.5	6VA	A=22mm	185
UI30 × 16.5	10VA	A=28mm	260

Possible primary connections

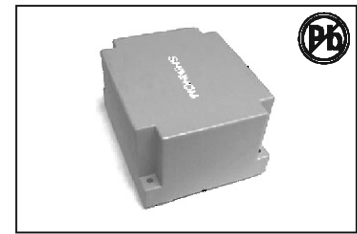


Possible secondary connections



# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE

## 60W 48 x 26–UI 4826 SERIES



### FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

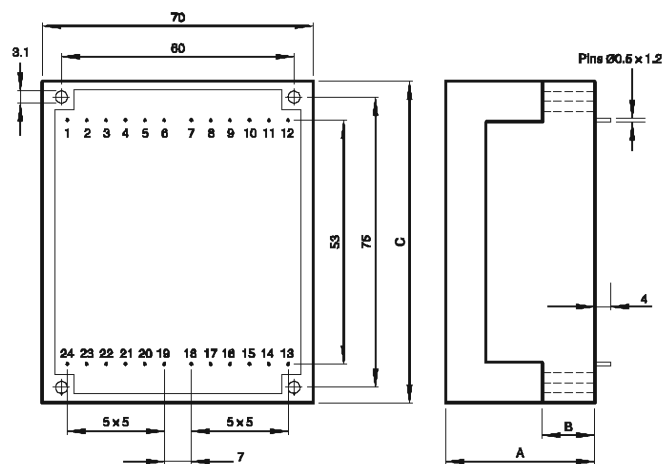
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 482673	2 x 6	2 x 5000	2 x 6.6	T50B
UI 482674	2 x 9	2 x 3333	2 x 9.9	T50B
UI 482675	2 x 12	2 x 2500	2 x 13.1	T50B
UI 482676	2 x 15	2 x 2000	2 x 16.4	T50B
UI 482677	2 x 18	2 x 1667	2 x 19.7	T50B
UI 482678	2 x 24	2 x 1250	2 x 26.3	T50B

## PHYSICAL CHARACTERISTICS



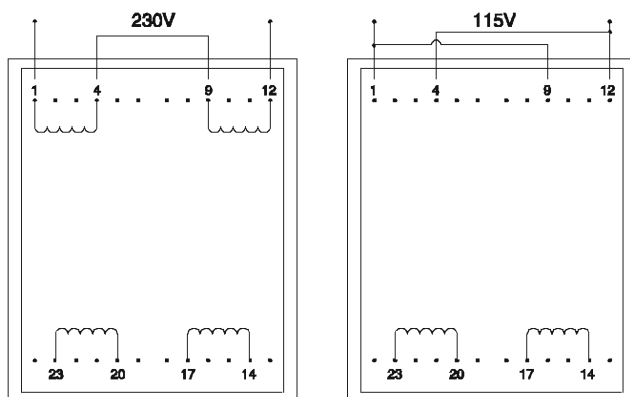
All dimensions in mm

## TECHNICAL INFORMATION

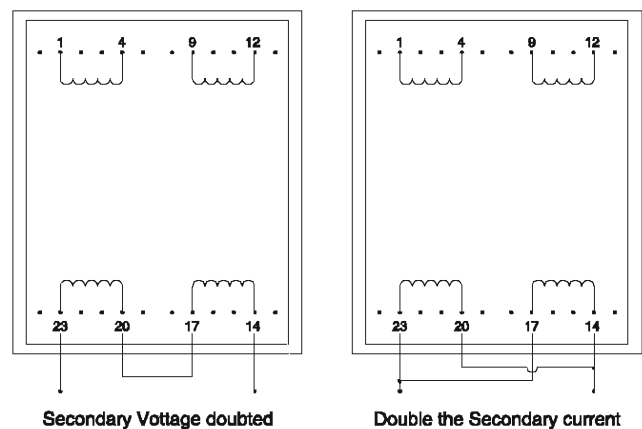
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- 100% tested production
- Conform to EN 61558 Approval under process
- UL 506 approved

CIRCUIT	RATING	A	B	C	WEIGHT(g)
UI39 x 8	10VA	38.5	13.5	83	285
UI39 x 10.2	14VA	48.5	14.5	86	335

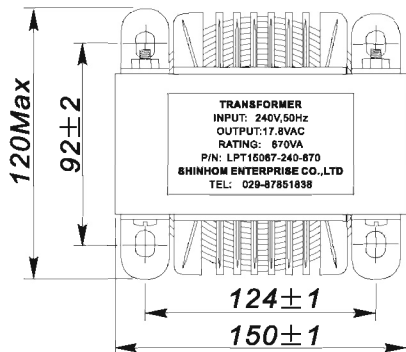
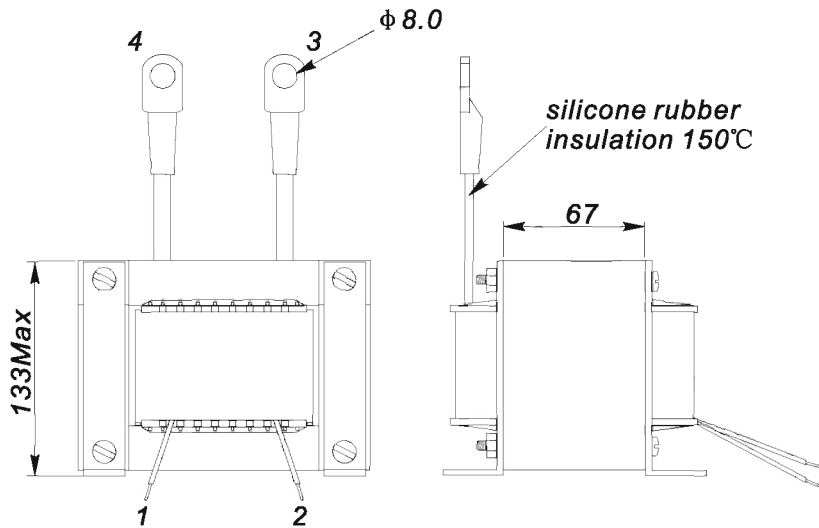
### Possible primary connections



### Possible secondary connections



## 1. PHYSICAL CHARACTERISTICS (mm)

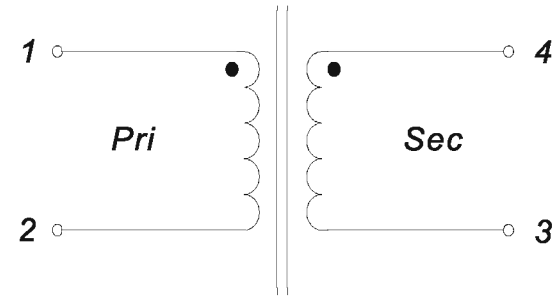


### NOTES:

Temp 20°C 48%RH  
RoHS Compliant

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## 2. ELECTRONICAL SCHEMATIC



## 3. ELECTRONICAL SPECIFICATIONS

Pri voltage: 240V

Sec voltage: 17.8V +0.2V/-0.5V@37.62A

Sec Rating: 670VA Min

Sec voltage regulation: >95%

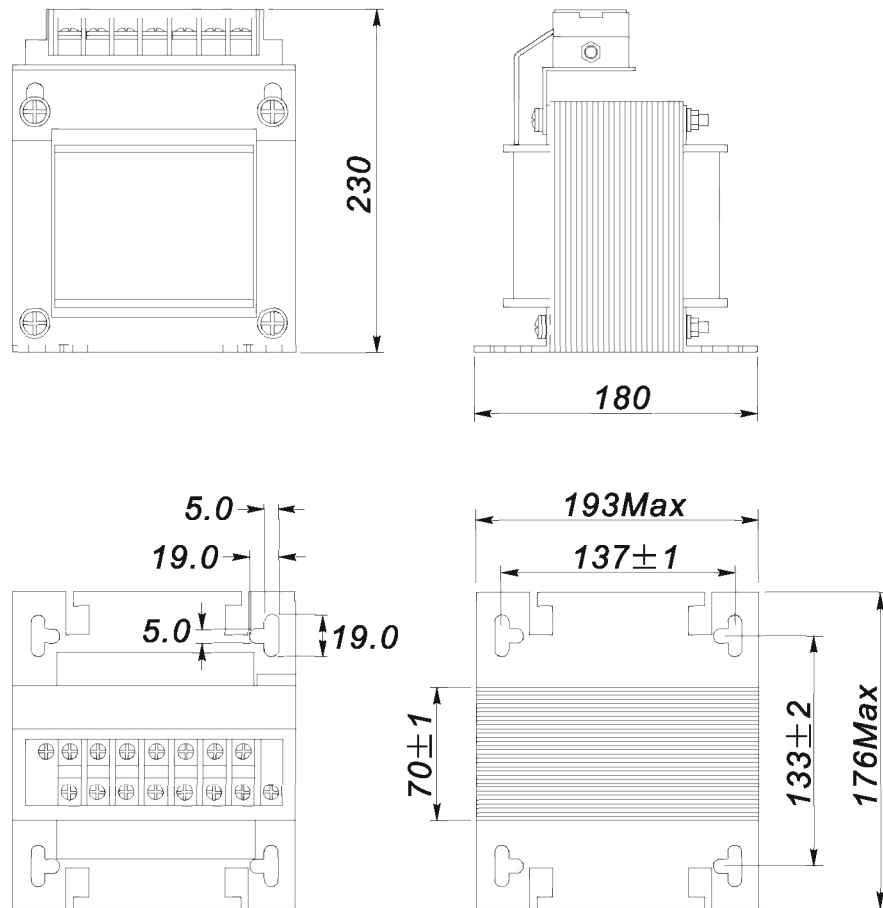
Operating frequency: 50Hz

NAME:	linear power transformer		
CUSTOMER P/N:		DATE:	2011-08-22
SHINHOM P/N:	LPT15067-240-670	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	

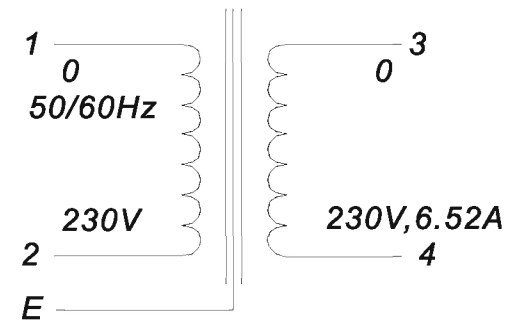


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## 1. PHYSICAL CHARACTERISTICS( mm)



## 2. ELECTRONICAL SCHEMATIC



## 3. ELECTRONICAL SPECIFICATIONS

**Pri rated voltage:** 230 VAC 50/60 Hz

**Sec rated voltage:** 230 V $\pm$ 5%

**Sec no load voltage:** 237V $\pm$ 5%

**Exciting current:** 650mA Max@ Input 230V, 50Hz

**Hi-Pot test:** AC 1.5kV 50Hz for 60S

*between Primary to core & secondary*

*AC 0.83kV 50Hz for 60S between secondary to core*

**Insulation test:** DC500V10MO min

*Between winding and between winding & core*

**Insulation class:** Class B(130°C)

### NOTES:

Temp 20°C 48%RH

RoHS Compliant

NAME:	Transformer		
CUSTOMER P/N:		DATE:	2013-04-12
SHINHOM P/N:	LPT19270-1500	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	

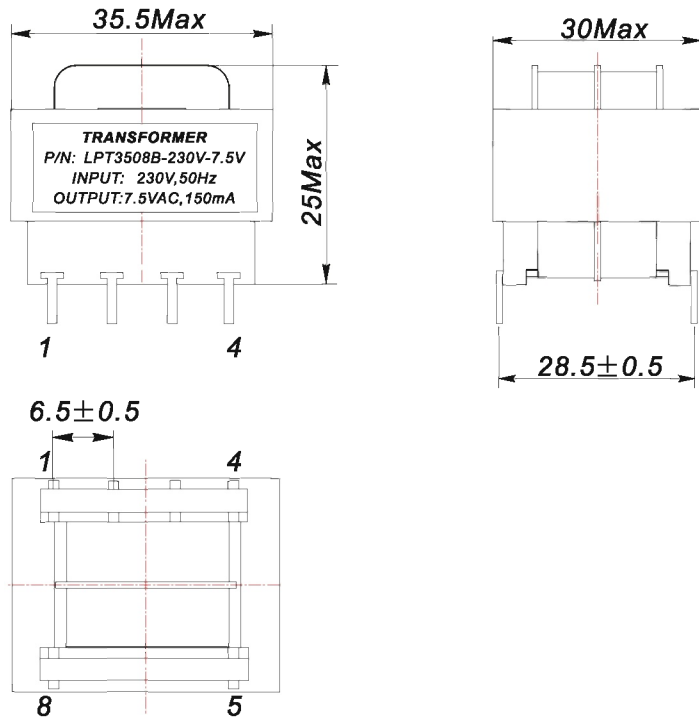


# SHINHOM

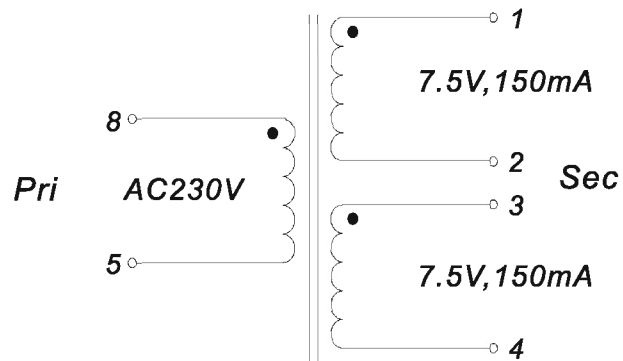
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 ZIP:710054  
 Http://www.shinhom.com  
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 sales@shinhom.com.cn  
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### 1. PHYSICAL CHARACTERISTICS (mm)



### 2. ELECTRICAL SCHEMATIC



### 3. ELECTRICAL SPECIFICATIONS



Pri input voltage: AC230V, 50Hz

Pri no-load current: 40mA Max

Sec no-load voltage: 11.5VAC ± 10%

Sec load current: 150mA

Sec load voltage: 7.5VAC ± 10%

Insulation resistance: Pri to Sec: 100MΩ, 500VDC

Hi-Pot: Pri to Sec: 3000V/AC, 1mA, 1min

Sec to Core: 1000V/AC, 1mA, 1min

### 4. MATERIAL LIST

NO	ITEMS	MATERIALS	SUPPLIERS	UL NO
1	BOBBIN	PA66	XIN YI	E41938
2	CORE	Z11	HENG TONG	
3	WIRE	2UEW	SHANG RAO	E229727
4	TAPE	PET	JING JIANG	E246950
5	VARNISH	ET-90	WU JIANG TAI HU	E228349

NAME:		Power Transformer	
CUSTOMER P/N:		DATE:	2011-09-13
SHINHOM P/N:	LPT3508B-230V-7.5V	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	



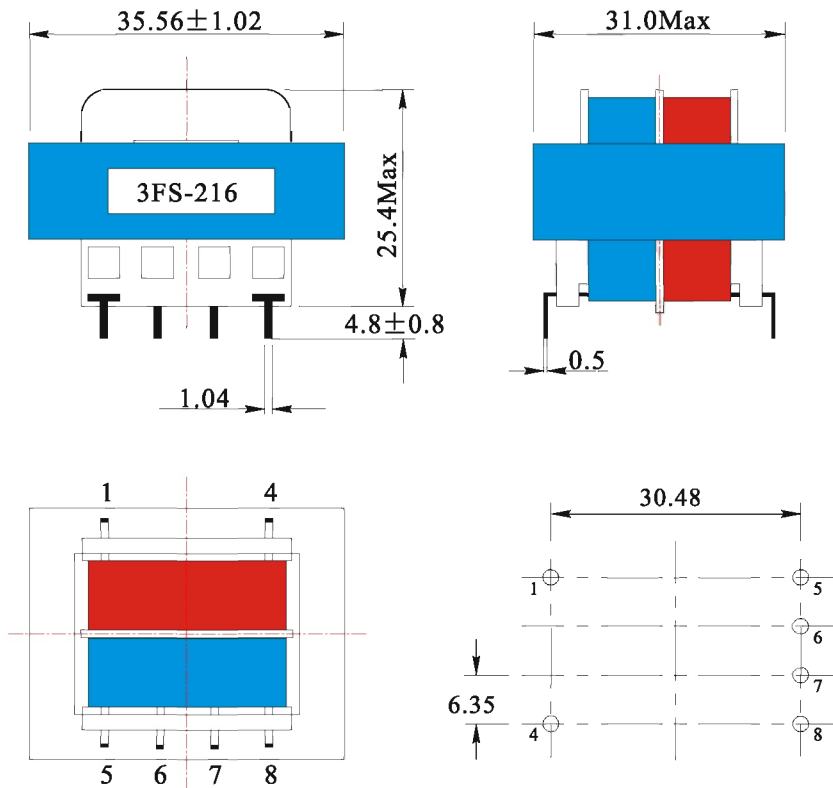
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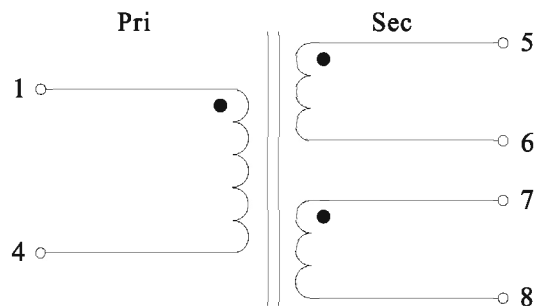
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Rev.	Description	Date
A0	New release	2021.08.24

## 1. PHYSICAL CHARACTERISTICS (mm)



## 2. ELECTRONICAL SCHEMATIC



## 3. ELECTRONICAL SPECIFICATIONS @ 25°C

Pri voltage: 115V, 50/60Hz

Parallel connection voltage: 8.0VAC

Parallel connection current: 0.14A

Series connection voltage: 16.0VAC

Series connection current: 0.07A

Series connection voltage with CT: 8.0VAC-CT-8.0VAC

Series connection current with CT: 0.07A

Insulation Resistance:

100M $\Omega$  Min @ 500VDC, Pri to Sec Pri to Core

100M $\Omega$  Min @ 500VDC, Sec to Core

Hi-Pot: 2500 Vrms 1 minute @ Pri to Sec

1500 Vrms 1 minute @ Coil to Core

500 Vrms 1 minute @ Sec to Sec



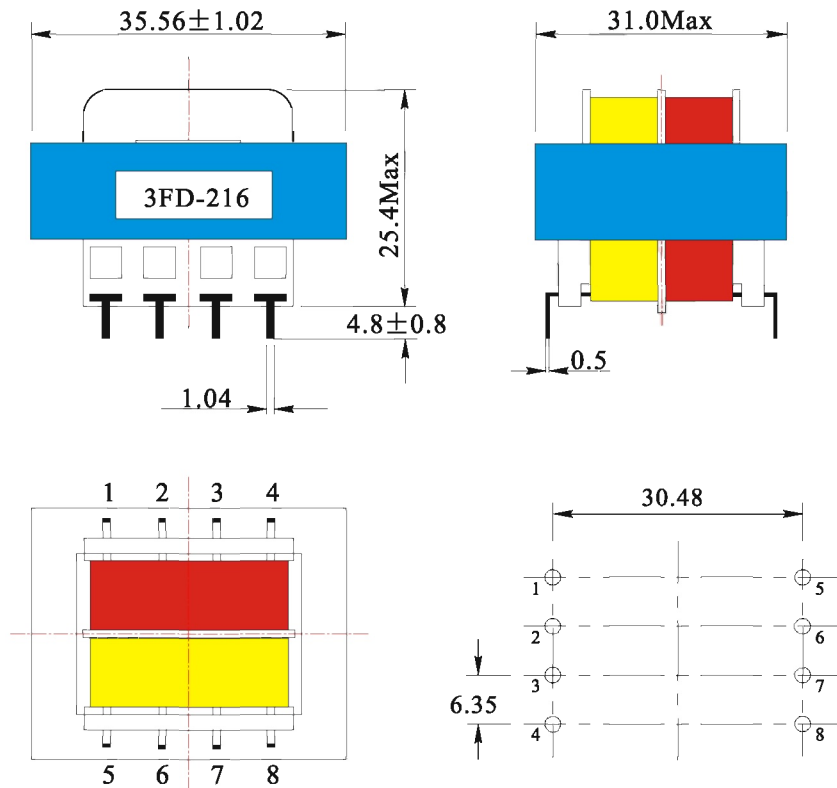
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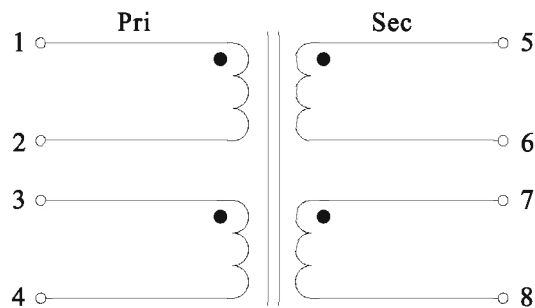
NAME:	linear power transformer		
CUSTOMER P/N:	3FS-216	DATE:	2021-08-24
SHINHOM P/N:	LPT3510S-216	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	

Rev.	Description	Date
A0	New release	2021.08.24

### 1. PHYSICAL CHARACTERISTICS (mm)



### 2. ELECTRONICAL SCHEMATIC



### 3. ELECTRONICAL SPECIFICATIONS @ 25°C

Pri voltage: 115V/230V, 50/60Hz

Parallel connection voltage: 8.0VAC

Parallel connection current: 0.14A

Series connection voltage: 16.0VAC

Series connection current: 0.07A

Series connection voltage with CT: 8.0VAC-CT-8.0VAC

Series connection current with CT: 0.07A

Insulation Resistance:

100MΩ Min @ 500VDC, Pri to Sec Pri to Core

100MΩ Min @ 500VDC, Sec to Core

Hi-Pot: 2500 Vrms 1 minute @ Pri to Sec

1500 Vrms 1 minute @ Coil to Core

500 Vrms 1 minute @ Sec to Sec



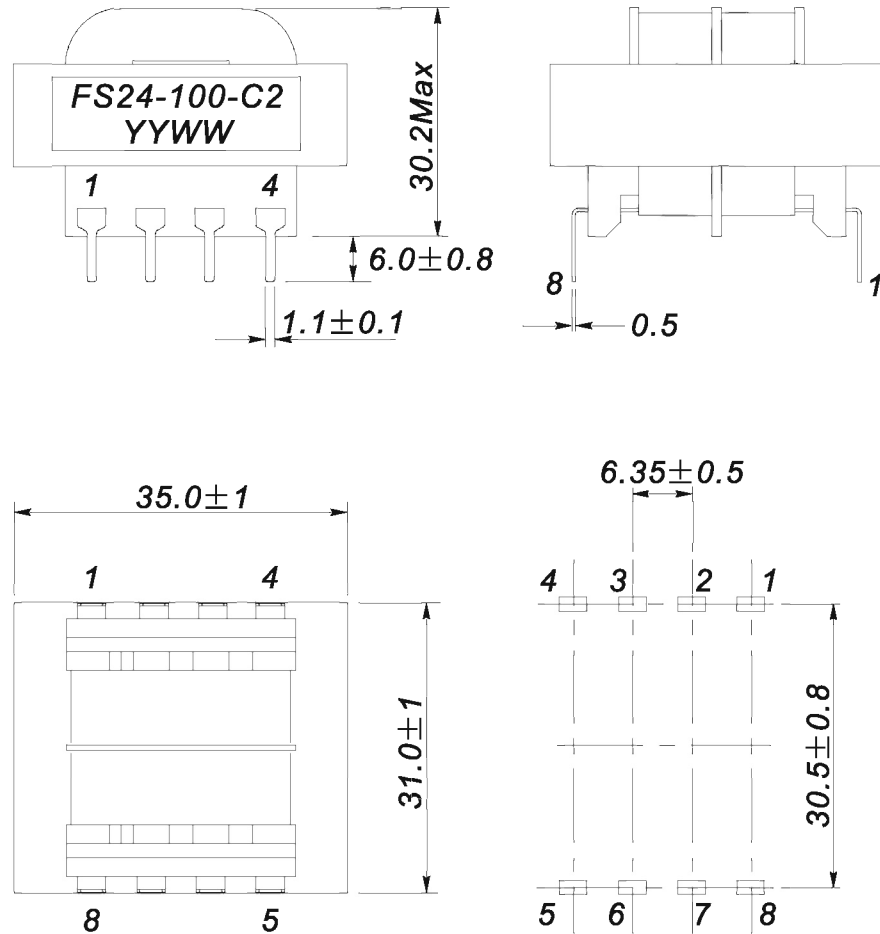
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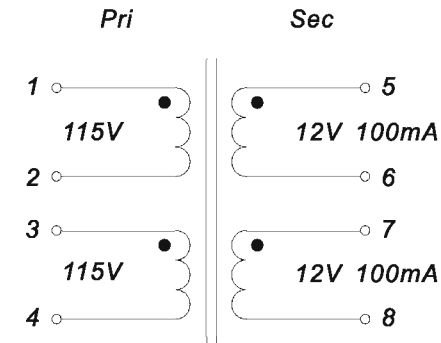
NAME:	linear power transformer		
CUSTOMER P/N:	3FD-216	DATE:	2021-08-24
SHINHOM P/N:	LPT3510D-216	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	

Rev.	Description	Date
A0	New release	2016.04.26

### 1. PHYSICAL CHARACTERISTICS (mm)



### 2. ELECTRONICAL SCHEMATIC



### 3. ELECTRONICAL SPECIFICATIONS @ 25°C

Input Voltage and Frequency: Parallel: 115V  
Series: 230V

Output voltage: 12.0V, 0.1A each

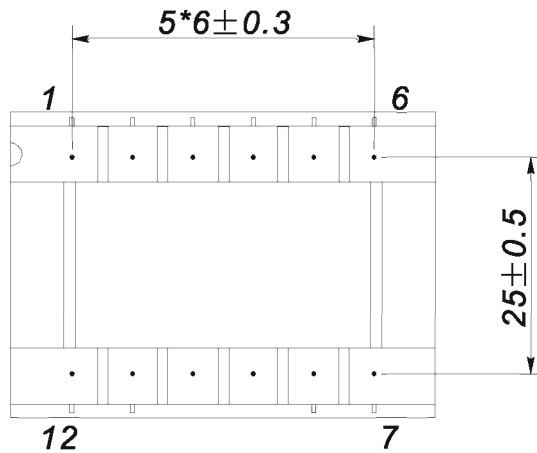
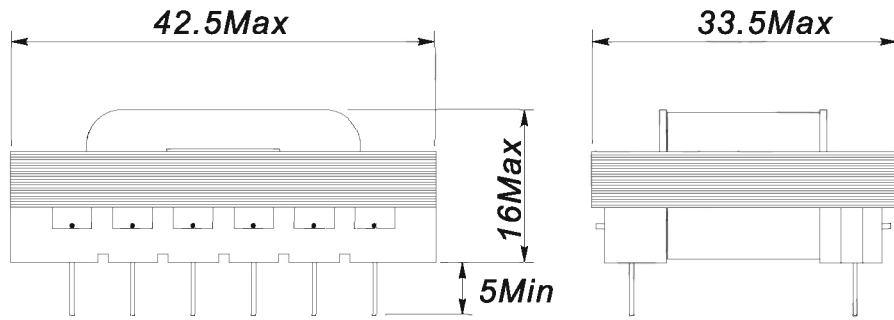
Max power: 2.5VA

Insulation class: F, 155°C

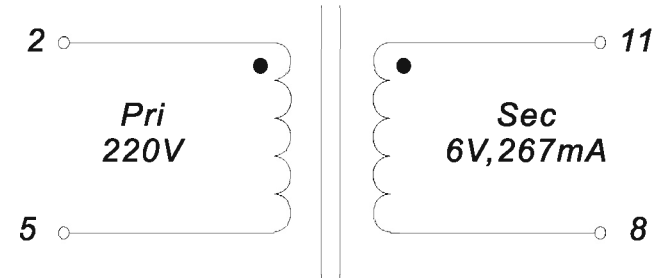
Hi-Pot: 4200 Vrms @ Pri to Sec  
2160 Vrms @ Sec to Sec

NAME:	Power transformer		
CUSTOMER P/N:	FS24-100-C2	DATE:	2016-04-26
SHINHOM P/N:	LPT3512-230-D12	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	

### 1. PHYSICAL CHARACTERISTICS (mm)



### 2. ELECTRONICAL SCHEMATIC



### 3. ELECTRONICAL SPECIFICATIONS

Input voltage: 220VAC

Output voltage: 6V

Output current: 267mA

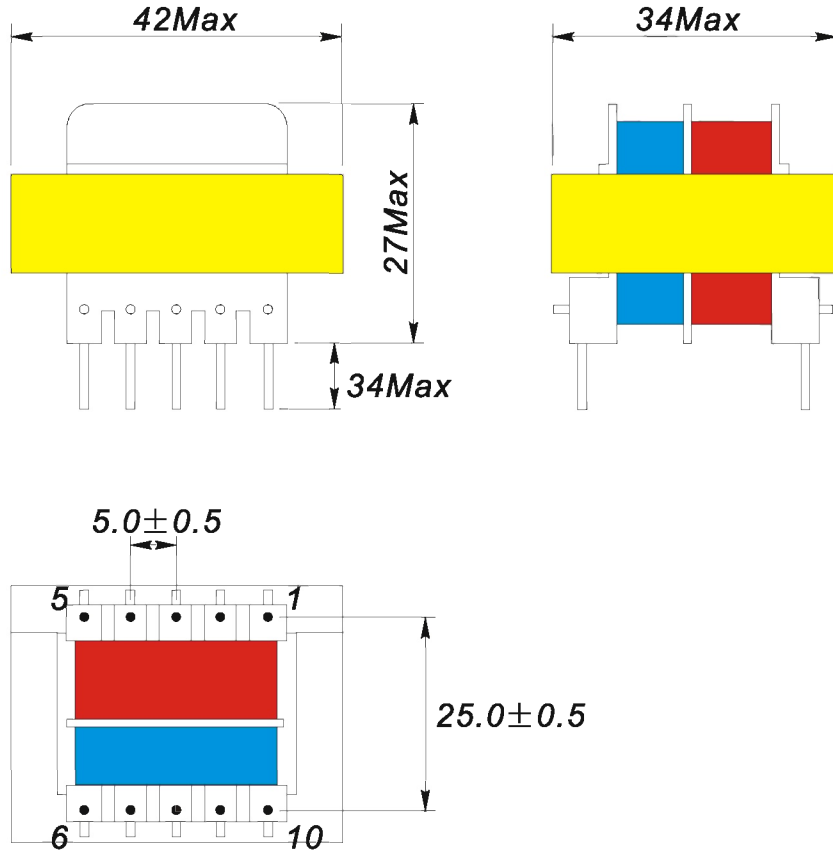
Power: 1.6VA

#### NOTES:

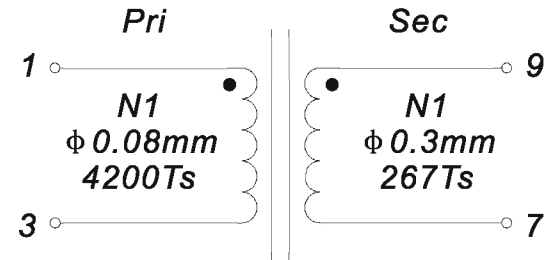
Temp 25°C 48%RH  
RoHS Compliant

NAME:	Power transformer		
CUSTOMER P/N:		DATE:	2011-12-08
SHINHOM P/N:	LPT4106-1R6-6	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	

### 1. PHYSICAL CHARACTERISTICS( mm)



### 2. ELECTRONICAL SCHEMATIC



### 3. ELECTRONICAL SPECIFICATIONS

**Pri:** 230V,50Hz,35mA Max

**Sec:** Full Load voltage: 10Vac±5%@500mA

No load voltage: 15Vac

**DCR:** Pri: 1000Ω ±15%

Sec: 4.65Ω ±15%

**Insulation resistance:** 100MΩ ,DC500V

**Isolation voltage:** Pri to Sec: 4000VAC,5mA,2S

Pri to Core: 4000VAC,5mA,2S

Sec to Core: 500VAC,5mA,2S

**Test Instrument:**

L: HP4284A

RDC: HM2540

#### NOTES:

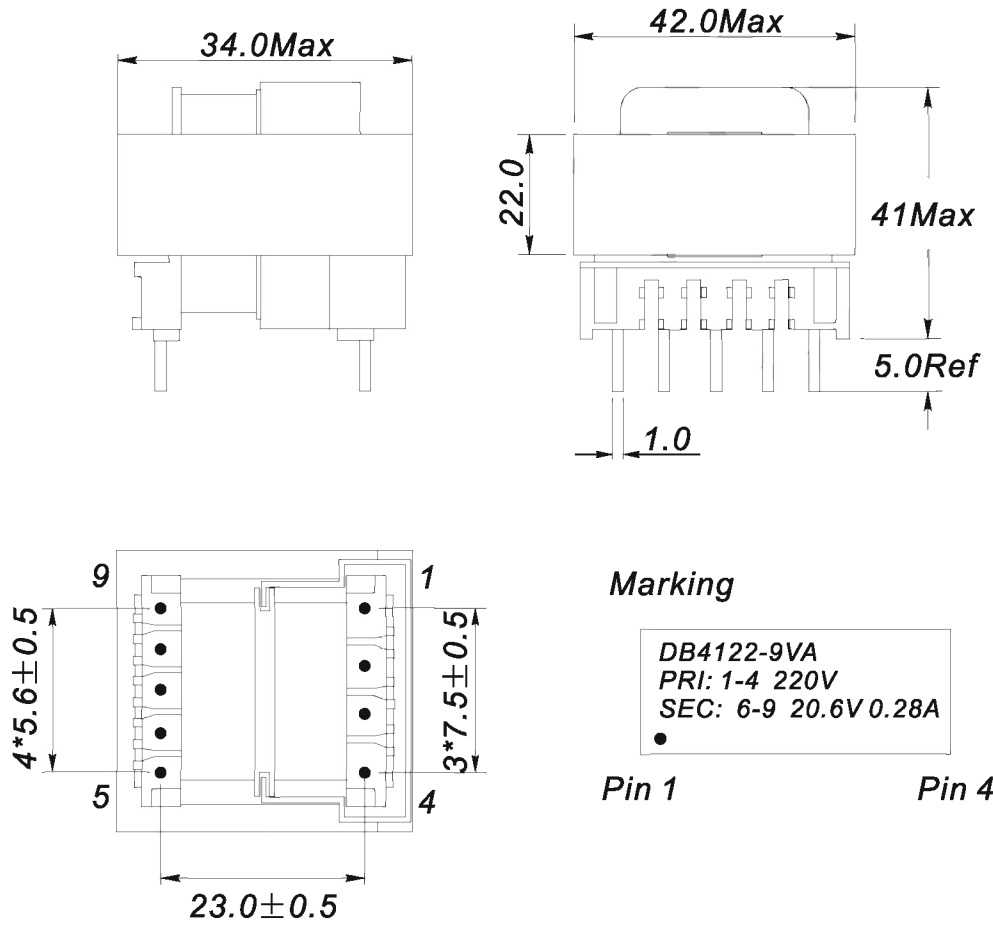
Temp 20°C 48%RH

RoHS Compliant

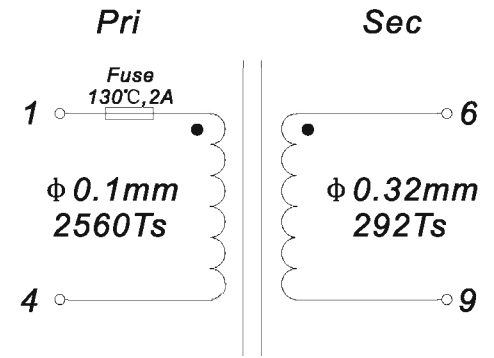
NAME:	Transformer		
CUSTOMER P/N:		DATE:	2011-07-15
SHINHOM P/N:	LPT4112-230-10	REV: A0	PAGE
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1. PHYSICAL CHARACTERISTICS (mm)



2. ELECTRONICAL SCHEMATIC



3. ELECTRONICAL SPECIFICATIONS

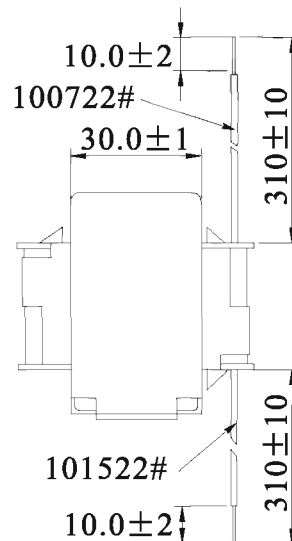
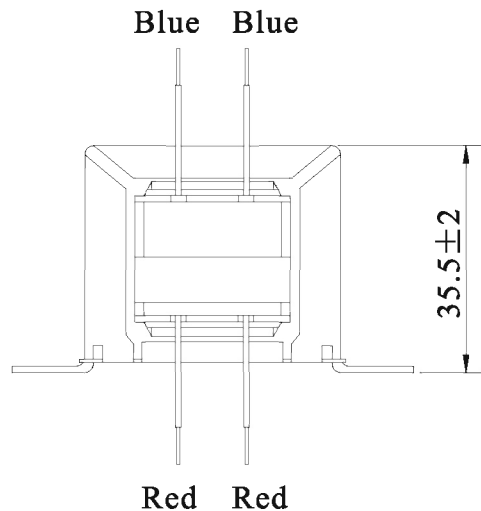
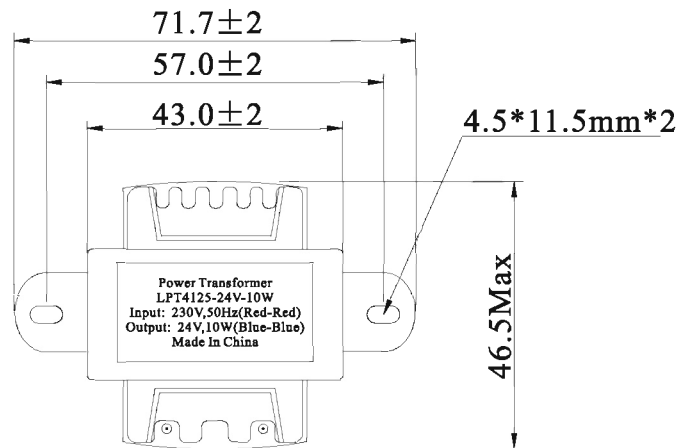
- Unload current: 15mA
- Rated voltage: Pin6-9: 20.4~21V@0.28A
- Power: 9VA
- Hi-Pot: 2KVAC, 3S, 5mA Pri to Sec  
2KVAC, 3S, 5mA Pri to Core  
1.0KVAC, 3S, 5mA Sec to Core

NOTES:  
Temp 20°C 48%RH  
RoHS Compliant

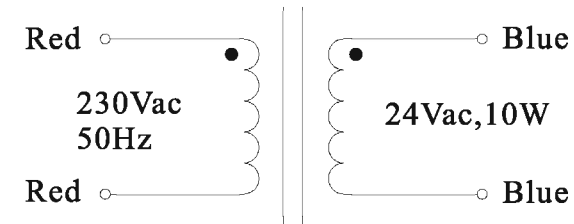
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CUSTOMER P/N:		DATE:	2013-07-18
SHINHOM P/N:	LPT4122-9W-21V	REV:	A0 PAGE
DRAWN BY	CHECKED BY	APPROVE BY	

Rev.	Description	Date
A0	New release	2023.03.20

### 1. PHYSICAL CHARACTERISTICS( mm)



### 2. ELECTRONICAL SCHEMATIC



### 3. ELECTRONICAL SPECIFICATIONS

- Pri rated voltage: 230Vac,50Hz
- Pri no load current: 35mA Max
- Sec load voltage: 24Vac±5%@417mA
- Sec no load voltage: 28Vac±5%
- Hi-Pot: 2000KV,50Hz,1mA,5S. Pri to Sec
- Storage temperature: -5°C to +60°C
- Operating temperature: -5°C to +85°C

NAME:	Power Transformer		
CUSTOMER P/N:		DATE:	2023-03-20
SHINHOM P/N:	LPT4125-24V-10W	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	



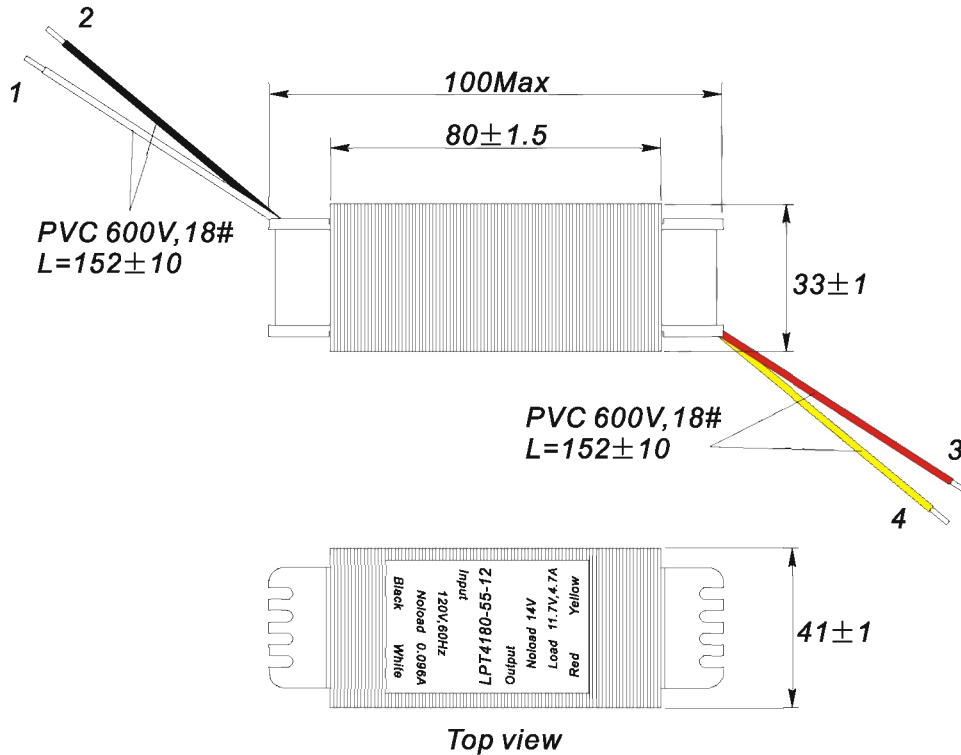
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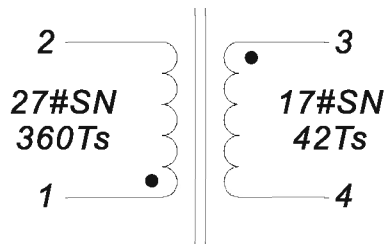
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Rev.	Description	Date
A0	New release	2016.01.23

### 1. PHYSICAL CHARACTERISTICS (mm)



### 2. ELECTRONICAL SCHEMATIC



### 3. ELECTRONICAL SPECIFICATIONS

Input: 120V, 60Hz

No-load input current: 0.096A

No-load output voltage: 14V

Load output voltage: 11.7V

Load output current: 4.7A

No-load loss: 1.78W

DCR: Pin1-2: 18.5Ω ±15%

Pin3-4: 0.4Ω ±15%

Hi-Pot: 2500Vrms, 3S Pri to Sec

1500Vrms, 3S Coil to Core

NAME:	Linear power Transformer		
CUSTOMER P/N:		DATE:	2016-01-23
SHINHOM P/N:	LPT4180-55-12	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	



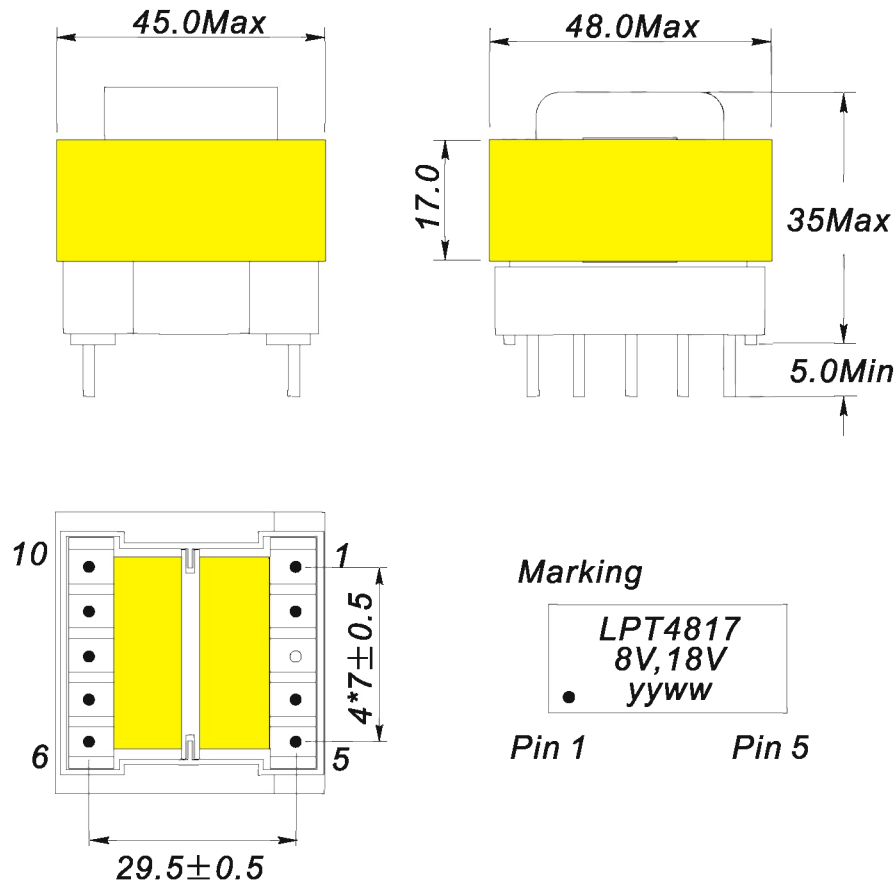
**SHINHOM**

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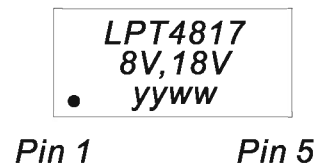
Rev.	Description	Date
A0	New release	2016.01.08

### 1. PHYSICAL CHARACTERISTICS (mm)



Cut off pin 3

#### Marking

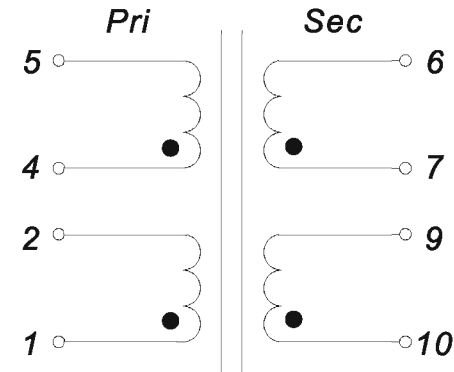


#### NOTES:

Temp 20°C 48%RH  
RoHS Compliant

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### 2. ELECTRONICAL SCHEMATIC



### 3. ELECTRONICAL SPECIFICATIONS

Pri voltage: Pin(1-2): 115V, 50Hz

Pin(1-5): 230V, 50Hz (Short pin 2, 4)

Sec no load voltage: Pin(7-6): 9.5V ± 5%

Pin(10-9): 19.5V ± 5%

Sec load voltage: Pin(7-6): 8V ± 5% @ 0.2A Load

Pin(10-9): 18V ± 5% @ 0.4A Load

Hi-Pot: 3000Vrms, 3mA, 2S Pri to Sec

2000Vrms, 3mA, 2S Coil to Core

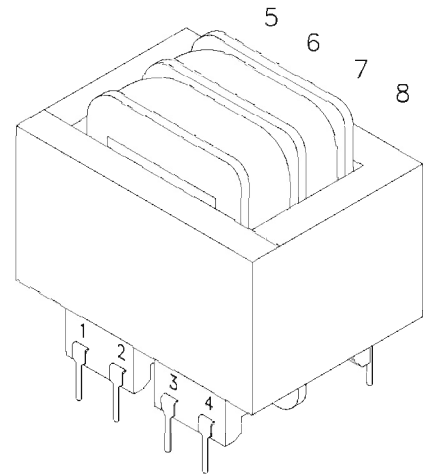
NAME:	Linear power Transformer		
CUSTOMER P/N:		DATE:	2016-01-08
SHINHOM P/N:	LPT4817-9W-0818	REV:	A0
			PAGE
DRAWN BY	CHECKED BY	APPROVE BY	

# THREE FLANGE DUAL PRIMARY 6.0VA PC BOARD POWER TRANSFORMER



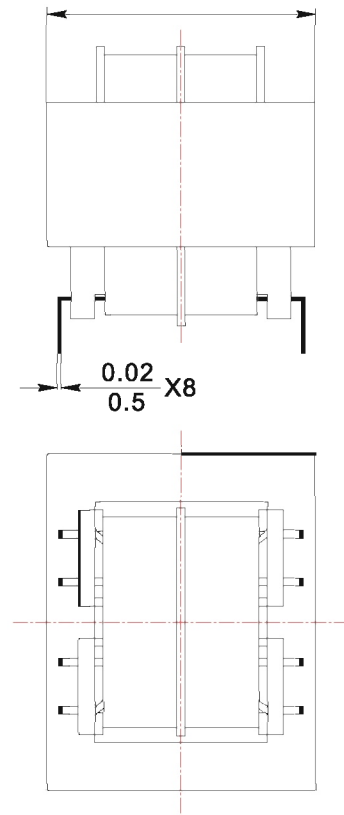
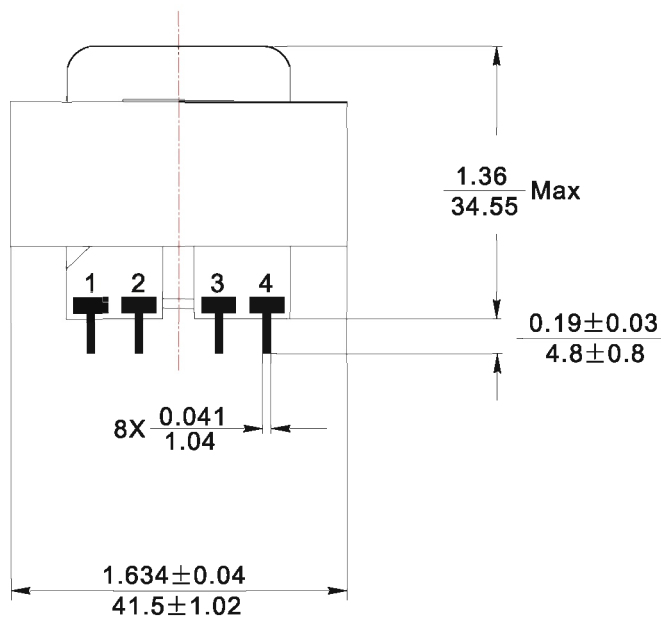
## A. Electrical Specifications(@25°C)

1. Maximum Power:6.0VA
2. Input Voltage and Frequency:115/230V 50/60Hz
3. Secondary Voltage:See Table A
4. Voltage Regulation:18% TYP @ full load to no load
5. Temperature Rise:35°C TYP (45°C Max allowed)
6. Insulation Resistance:
  - 100M $\Omega$  Min @500VDC, Pri to Sec Pri to Core
  - 100M $\Omega$  Min @500VDC, Sec to Core
7. Hi-Pot:2500 Vrms 1 minute @ Pri to Sec
  - 1500 Vrms 1 minute @ Pri to Core
  - 1500 Vrms 1 minute @ Sec to Core
  - 500 Vrms 1 minute @ Sec to Sec



- ## B. Marking:SHINHOM P/N (see sheet 2).
- date code, country of origin, safety logos and input and output ratings

## C. Mechanical Specifications:



TEL:+86-029-87851838  
 FAX:+86-029-87851840  
 ZIP:710054  
 Http://www.shinhom.com  
 E-mail: sales@shinhom.com.cn  
 No.8,Yanta Northern Road,Xi'an ShaanxiPro.China



SHINHOM P/N: LPT4818-50XX

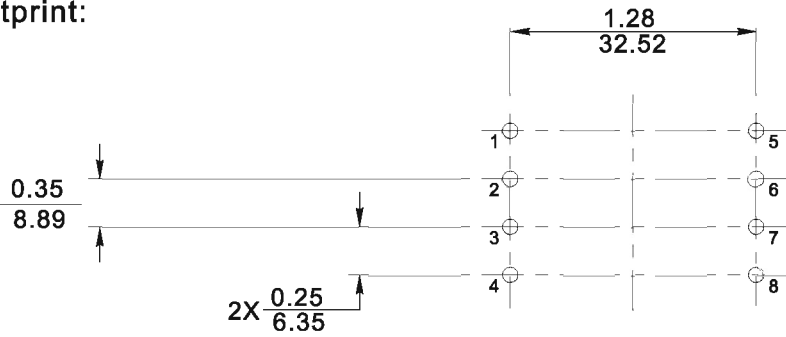
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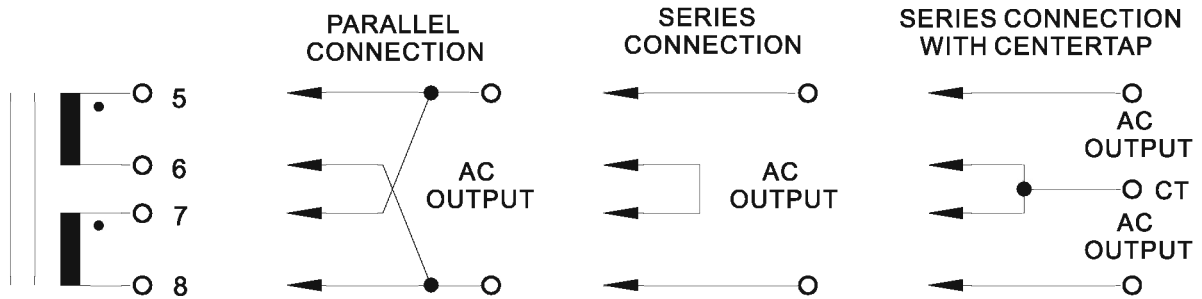
APPROVE BY

D. Mounting Footprint:



E. Connection Diagram:

PRIMARY INPUT CONNECTIONS



F. Table A:(NOTE: all parts are dual marked with both part numbers)

SHINHOM PART NO.	PARALLEL CONNECTION		SERIES CONNECTION		SERIES CONNECTION WITH CT	
	AC COLTS	RMS AMPS	AC VOLTS	RMS AMPS	AC VOLTS	RMS AMPS
LPT4818-5010	5.0	1.20	10.0	0.60	5.0 - CT - 5.0	0.60
LPT4818-5012	6.3	1.00	12.6	0.50	6.3 - CT - 6.3	0.50
LPT4818-5016	8.0	0.80	16.0	0.40	8.0 - CT - 8.0	0.40
LPT4818-5020	10.0	0.60	20.0	0.30	10.0 - CT - 10.0	0.30
LPT4818-5024	12.0	0.50	24.0	0.25	12.0 - CT - 12.0	0.25
LPT4818-5028	14.0	0.40	28.0	0.20	14.0 - CT - 14.0	0.20
LPT4818-5036	18.0	0.34	36.0	0.17	18.0 - CT - 18.0	0.17
LPT4818-5048	24.0	0.25	48.0	0.125	24.0 - CT - 24.0	0.125
LPT4818-5056	28.0	0.22	56.0	0.11	28.0 - CT - 28.0	0.11
LPT4818-50120	60.0	0.10	120.0	0.05	60.0 - CT - 60.0	0.05

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SHINHOM P/N: LPT4818-50XX

REV: A0 PAGE

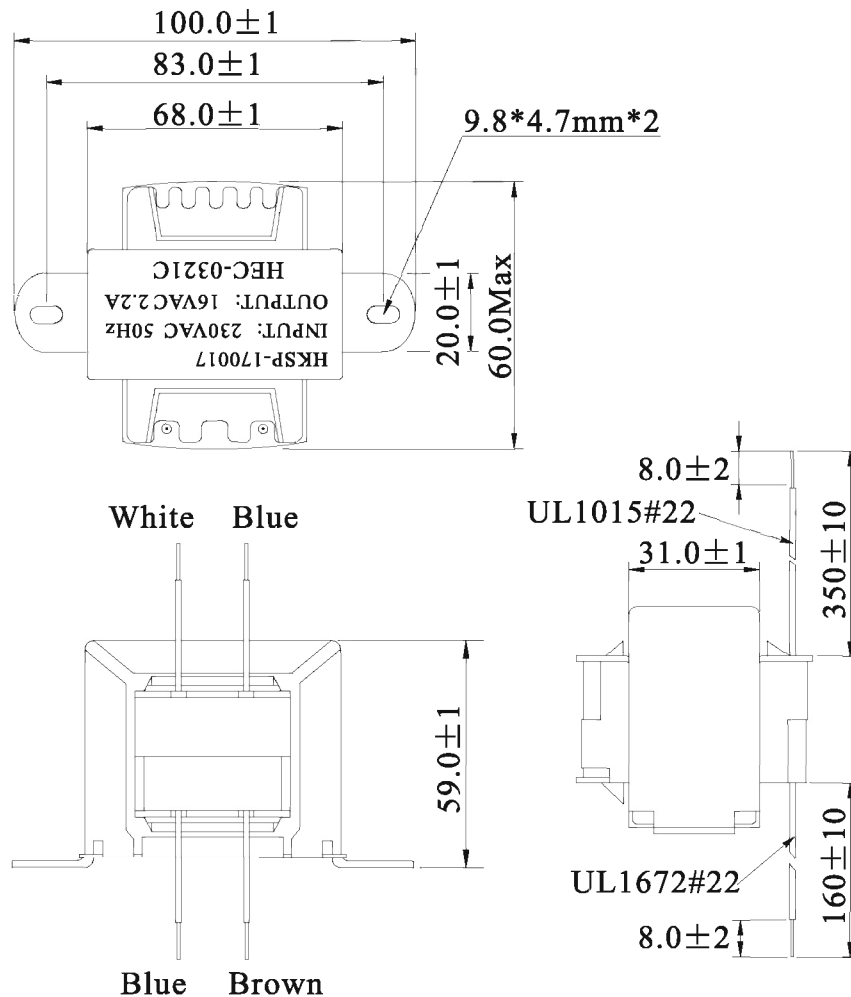
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CHECKED BY

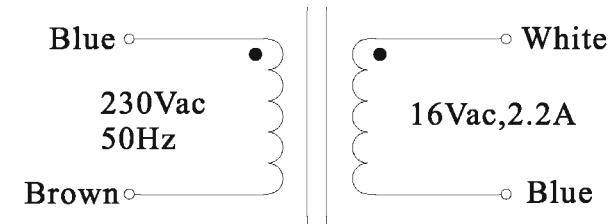
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Rev.	Description	Date
A0	New release	2021.12.03

### 1. PHYSICAL CHARACTERISTICS (mm)



### 2. ELECTRICAL SCHEMATIC



### 3. ELECTRICAL SPECIFICATIONS

- Pri rated voltage: 230Vac, 50Hz
- Pri exciting current: 230Vac, 50Hz, 90mA Max
- Sec rated voltage: 16Vac  $\pm$  5%
- Sec rated current: 2.2A
- Sec no-load voltage: 19.5Vac Max
- Hi-Pot: 3.75KV, 50Hz, 1mA, 1min. Pri to Sec, Core  
1.25KV, 50Hz, 1mA, 1min. Sec to Core
- Insulation test: 500Vdc, 100M  $\Omega$  Min Pri to Sec, Core
- Storage temperature: -5°C to +60°C
- Operating temperature: -5°C to +85°C

NAME:	Transformer		
CUSTOMER P/N:	HKSP-170017	DATE:	2021-12-03
SHINHOM P/N:	LPT6628-16V-35W	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	

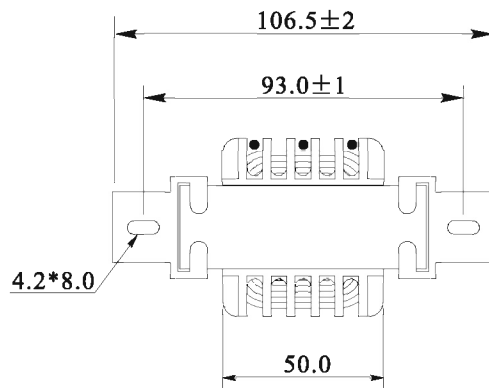
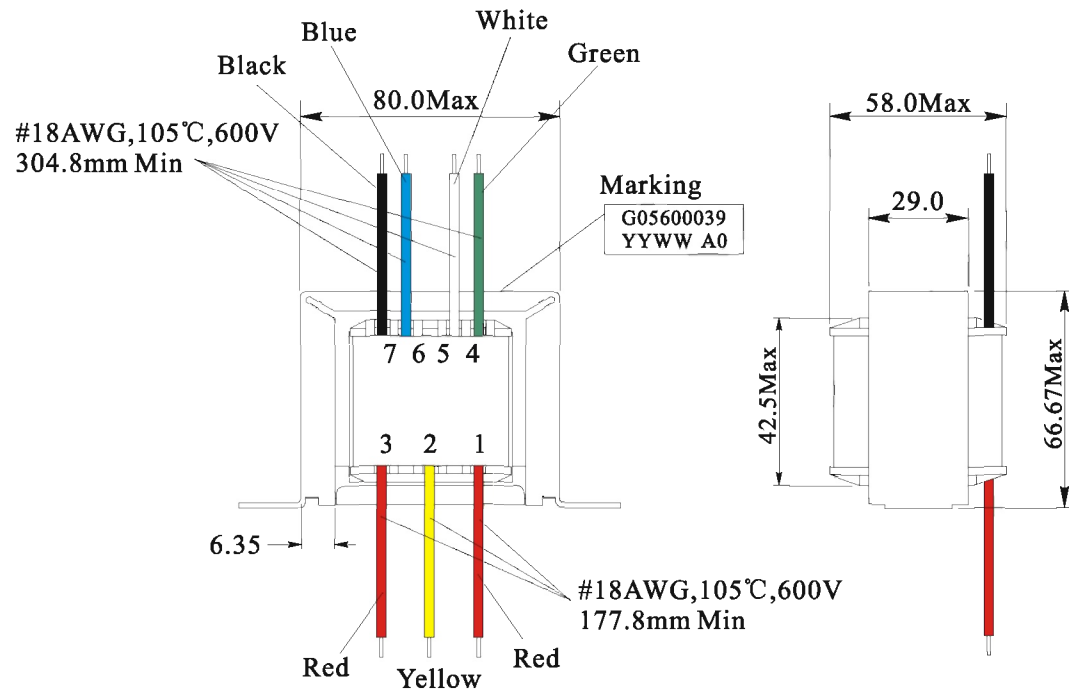


**SHINHOM**

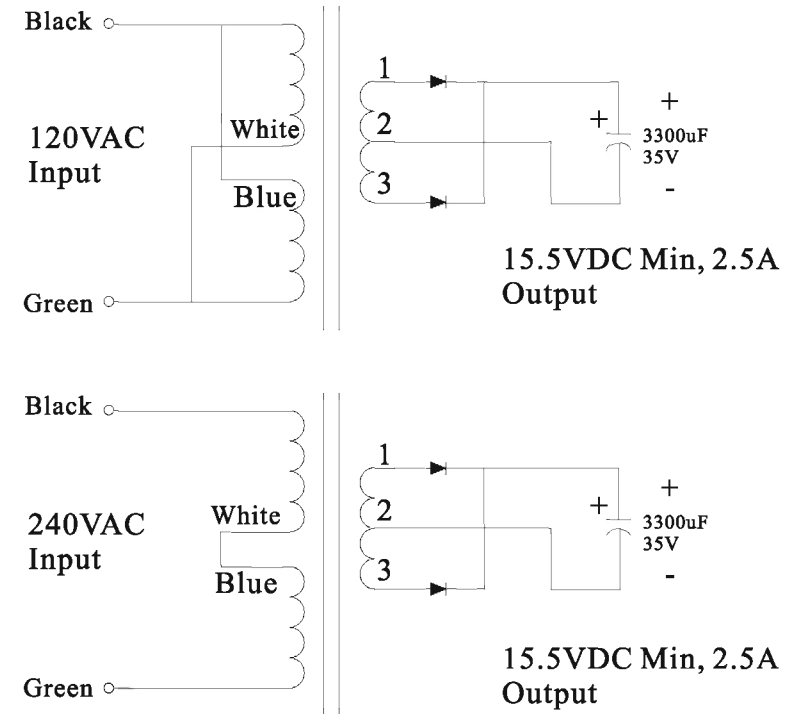
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## 1. PHYSICAL CHARACTERISTICS( mm)



## 2. TEST CIRCUIT



## 3. ELECTRONICAL SPECIFICATIONS

Input voltage: 120VAC/240VAC, 50/60Hz

Output voltage: 33.8Vrms, 1.75A

Hi-Pot: 1500Vac, 60Hz Pri to Sec

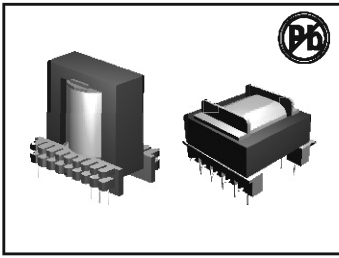
1500Vac, 60Hz Pri to Clip

NAME:	120V/240V Power transformer		
CUSTOMER P/N:	G05600039	DATE:	2021-08-24
SHINHOM P/N:	LPT8058-60	REV:	A0
DRAWN BY	CHECKED BY	APPROVE BY	



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# SWITCHING TRANSFORMERS TEE, TEI SERIES

## FEATURES:

- Possessing of high permeability
- High saturation flux density
- Low loss, at 100°C the power loss goes bottom

## OPTIONS:

- Bulk packaging is standard
- Custom design available

## COMMON APPLICATIONS:

- Drive transformers
- Main transformers
- Smoothing chokes
- General purpose use

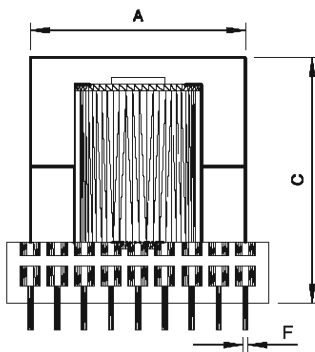
## ELECTRICAL CHARACTERISTICS

Part No.	Type	No. of Terminal pins	Dimensions(mm)						Max. output (VA)
			Max	Max	Max	±0.3	±0.5	±0.1	
			A	B	C	D	E	F	
TEI 8.3-A	V	6	8.5	8.5	9.0	2.5	6.0	0.5	3
TEE 8.3-B	H	6	8.5	8.5	7.0	2.5	6.0	0.5	3
TEE 8.3-C	H	4	8.5	9.5	9.0	5.0	6.8	0.5	3
TEI 10-A	V	8	10.5	11.0	11.0	2.5	8.0	0.5	5
TEI 10-B	H	8	11.0	13.0	10.5	2.5	10.5	0.5	5
TEI 10-C	H	4	10.0	9.5	10.0	5.0	6.8	0.5	5
TEI 12.5-A	V	10	13.0	13.0	10.0	2.5	7.5	0.6	8
TEE 12-A	H	4	12.5	11.0	12.5	8.0	9.0	0.6	8
TEE 13-A	V	10	13.5	13.0	12.0	2.5	8.7	0.6	9
TEI 14-A	V	6	14.5	14.5	13.0	3.5	11.0	0.6	15
TEE 16-A	V	6	16.5	13.5	13.0	3.0	9.0	0.6	25
TEE 16-B	H	8	16.5	14.5	15.0	3.0	11.0	0.6	25
TEE 16-C	H	8	16.5	14.5	15.0	3.5	12.0	0.6	25
TEE 16-D	V	10	16.5	13.5	14.5	3.25	10.5	0.6	25
TEE 16-F	H	10	16.5	19.0	14.0	3.2	15.5	0.8	25
TEEL 16-A	V	10	22.0	16.5	30.0	4.0	10.3	0.6	25
TEE 19-A	V	6	20.0	18.0	18.0	4.1	14.0	0.7	35
TEE 19-B	V	6	20.0	18.0	18.0	4.7	11.6	0.6	35
TEE 19-C	H	8	20.0	18.0	16.5	3.8/5	12.5	0.7	35
TEEL 19-A	V	8	20.0	20.5	32.0	3.8/4.8	15.0	0.8	35
TEEL 19-B	H	6	19.5	32.0	13.0	5	24.2	0.8	35
TEEL 19-C	V	10	23.0	16.5	32.0	4	10.0	0.8	35
TEE 20-A	H	8	20.5	19.0	13.0	5	15.0	0.8	35
TEE 22-A	V	10	22.5	16.5	20.0	4	10.2	0.8	45
TEE 22-B	V	8	22.5	17.0	20.0	5	12.4	0.8	45
TEE 22-C	H	9	22.5	24.5	16.5	3.5/5	17.2	0.8	45
TEE 25-A	V	8	25.5	18.0	22.0	5	12.4	0.8	65
TEE 25-B	V	10	26.0	20.5	22.0	5	15.2	0.8	65
TEE25-C	H	10	27.0	24.0	24.0	4.0/5	14.6	0.8	65
TEEL 25-A	H	14	27.5	33.5	21.0	4.0	27.1	0.8	65

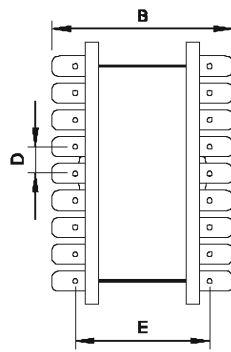
Part No.	Type	No. of Terminal pins	Dimensions(mm)						Max. output (VA)
			Max	Max	Max	±0.3	±0.5	±0.1	
			A	B	C	D	E	F	
TEL 25-B	V	14	27.5	21.0	35.0	4.0	15.0	0.8	65
TEI 28-A	V	12	29.5	25.0	24.0	5.0	17.5	0.8	100
TEI 28-B	V	10	28.5	25.0	35.0	5.0	20.0	0.8	100
TEI 28-C	H	8	28.5	25.0	25.0	5.0	17.5	0.8	100
TEI 30-A	V	10	31.0	22.0	28.0	5.0	17.8	0.8	155
TEI 30-B	V	12	31.0	26.0	26.0	5.0	20.0	0.8	155
TEE 30-A	H	10	30.5	30.0	20.5	5.0	25.0	0.8	155
TEE 30-B	H	12	30.5	30.0	20.5	5.0	25.0	0.8	155
TEI 33-A	V	14	34.0	28.0	30.0	5.0	22.5	0.8	200
TEI 33-B	V	12	34.0	28.0	30.0	5.0	22.5	0.8	200
TEI 33-C	V	16	39.0	29.0	30.0	5.0	22.5	0.8	200
TEE 35-A	H	12	38.0	30.0	28.0	3.8/5.1	22.0	0.8	215
TEE 35-B	V	10	35.5	26.0	28.0	5.0	20.0	0.8	215
TEE 35-C	V	14	35.5	26.0	28.0	5.0	20.0	0.8	215
TEEL 35-A	V	15	36.5	27.5	50.0	5.0	22.5	0.8	215
TEI 35-A	V	12	35.5	28.5	29.0	5/7.5	20.0	1.0	215
TEI 40-A	V	12	40.5	29.0	32.0	5.0	22.5	0.8	345
TEI 40-B	H	12	40.5	37.0	27.0	5.0	28.2	1.0	345
TEI 40-C	V	16	42.0	28.0	35.0	5.0	22.5	0.8	345
TEI 40-D	H	14	40.5	35.0	29.0	5.0	25.8	0.8	345
TEE 42-A	H	16	44.5	42.0	41.5	5.0	34.0	1.0	400
TEE 42-B	H	12	47.0	42.0	39.5	5/7.5	33.0	1.0	400
TEE 42-C	V	18	46.0	32.5	46.0	5.0	27.5	1.0	400
TEE 42-D	V	12	46.0	42.5	37.0	7.4	36.4	1.0	420
TEE 42-E	V	12	43.0	40.5	45.0	5.0	32.5	1.0	420
TEE 42-F	H	17	43.0	47.0	45.0	2.5/5	37.7	1.0	420
TEE 42-G	V	18	46.0	38.0	47.0	5.0	30.0	1.0	420
TEE 50-A	V	18	51.0	40.0	40.0	5.0	30.5	1.0	500
TEE 55-A	H	20	56.0	55.0	50.5	5/7.5	45.2	1.0	814

Note: The output power is only for forward model and the frequency at 100kHz

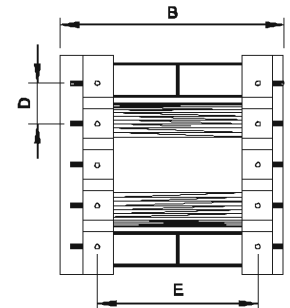
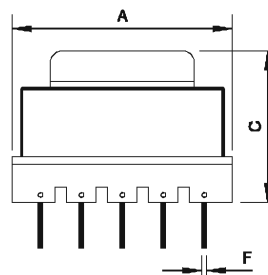
## PHYSICAL CHARACTERISTICS



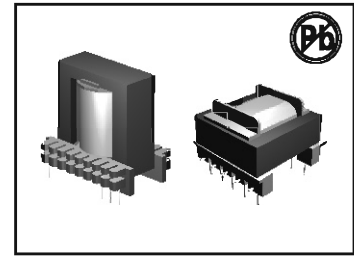
Type V



Type H



# SWITCHING TRANSFORMERS TER SERIES



## FEATURES:

- Centre section of the core is round easily design high-power switch transformers
- Low leakage

## OPTIONS:

- Bulk packaging is standard
- Custom design available

## COMMON APPLICATIONS:

- Drive transformers
- Main transformers
- Smoothing chokes
- General purpose use

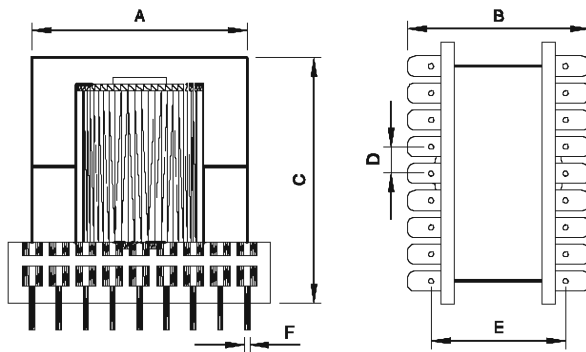
## ELECTRICAL CHARACTERISTICS

Part No.	Type	No. of Terminal pins	Dimensions(mm)						Max. output (VA)
			Max	Max	Max	± 0.3	± 0.5	± 0.1	
			A	B	C	D	E	F	
TER 11.5-A	V	8	14	14	12	2.6	9.0	0.6	3
TER 25-A	V	8	27	22	28	5.0	12.5	0.8	87
TER 25-B	V	10	27	22	28	5.0	15.0	0.8	87
TER 28-A	H	20	35	32	25	2.54	28.0	0.5	203
TER 25-B	H	12	31	32	25	5.0	25.0	0.8	203
TER 28-C	V	10	27	25	32	5.0	17.3	0.8	203
TER 28-D	V	12	32	28	32	4.9	22.0	0.8	203
TERL 28-A	V	10	32	25	36	5.0	17.5	0.8	228
TERL 28-B	V	12	32	25	38	5.0	17.5	0.8	228
TERL 28-C	V	12	32	25	36	5.0	20.2	0.8	228
TERL 28-D	V	18	30	25	38	4.0	20.0	0.8	228
TERL 28-E	V	10	30	25	38	5.0	17.5	0.8	228
TERL 28-F	V	14	32	28	38	5.0	20.0	0.8	228
TERL 28-G	H	11	36	38	26	5.0	25.5	0.8	228
TERL 28-H	H	12	32	38	28	5.0	30.4	0.8	228
TER 33-A	V	14	37	31	40	5.0	25.0	1.0	235
TER 33-B	V	14	37	29	40	5.0	22.5	1.0	235
TER 34-A	V	14	36	29	40	5.0	22.3	1.0	240
TER 35-A	V	12	38	30	46	5.0	22.5	1.0	325
TER 35-B	V	14	37	30	44	5.0	22.5	1.0	325
TER 35-C	V	16	41	30	46	5.0	22.55	1.0	325

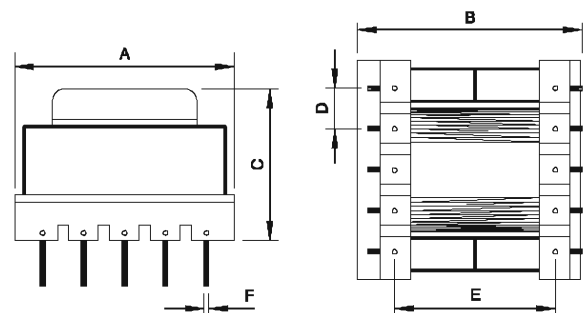
Part No.	Type	No. of Terminal pins	Dimensions(mm)						Max. output (VA)
			Max	Max	Max	± 0.3	± 0.5	± 0.1	
			A	B	C	D	E	F	
TER 35-D	H	16	41	45	29	5.0	35.0	1.0	325
TER 35-E	H	12	38	45	27	5.3	37.1	1.0	325
TER 35-F	H	12	45	37	30	5.4	37.1	1.0	325
TER 38-A	V	16	44	32	53	5.0	25.0	1.0	370
TER 39-B	V	14	40	32	54	5.0	25.2	1.0	370
TER 39-C	V	18	45	32	53	5.0	25.0	1.0	370
TER 39-D	H	18	43	45	35	5.0	30.6	1.0	370
TER 39-E	H	18	43	47	35	5.0	35.3	1.0	370
TER 40-A	V	16	42	33	51	5.0	25.2	1.0	421
TER 40-B	V	16	42	34	52	5.0	27.5	1.0	421
TER 40-C	V	12	42	33	48	5.0	25.0	1.0	421
TER 40-D	H	18	42	50	37	5.0	35.2	1.0	421
TER 42-A	V	18	47	33	47	5.0	27.4	1.0	433
TER 42-B	V	14	44	32	49	5.0	24.8	1.0	433
TER 42-C	V	18	47	39	52	5.0	30.2	1.0	509
TER 42-D	H	14	45	45	38	5.0	34.8	1.0	509
TER 49-A	V	22	55	37	62	5.0	27.5	1.0	680
TER 49-B	V	18	52	38	57	5.0	27.5	1.0	680
TER 49-C	V	20	55	41	60	5.0	32.5	1.0	680
TER 53-A	V	18	55	41	55	5.0	32.5	1.0	800
TER 54-B	V	18	60	42	60	5.0	32.0	1.0	850

Note: The output power is only for forward model and the frequency at 100kHz

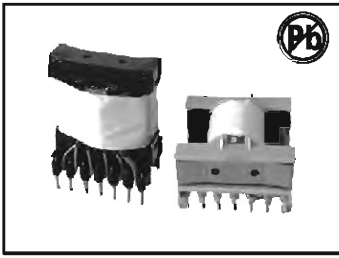
## PHYSICAL CHARACTERISTICS



Type V



Type H



# SWITCHING TRANSFORMERS TETD SERIES

## FEATURES:

- Centre section of the core is round easily design high-power switch transformers

## OPTIONS:

- Bulk packaging is standard
- Custom design available

## COMMON APPLICATIONS:

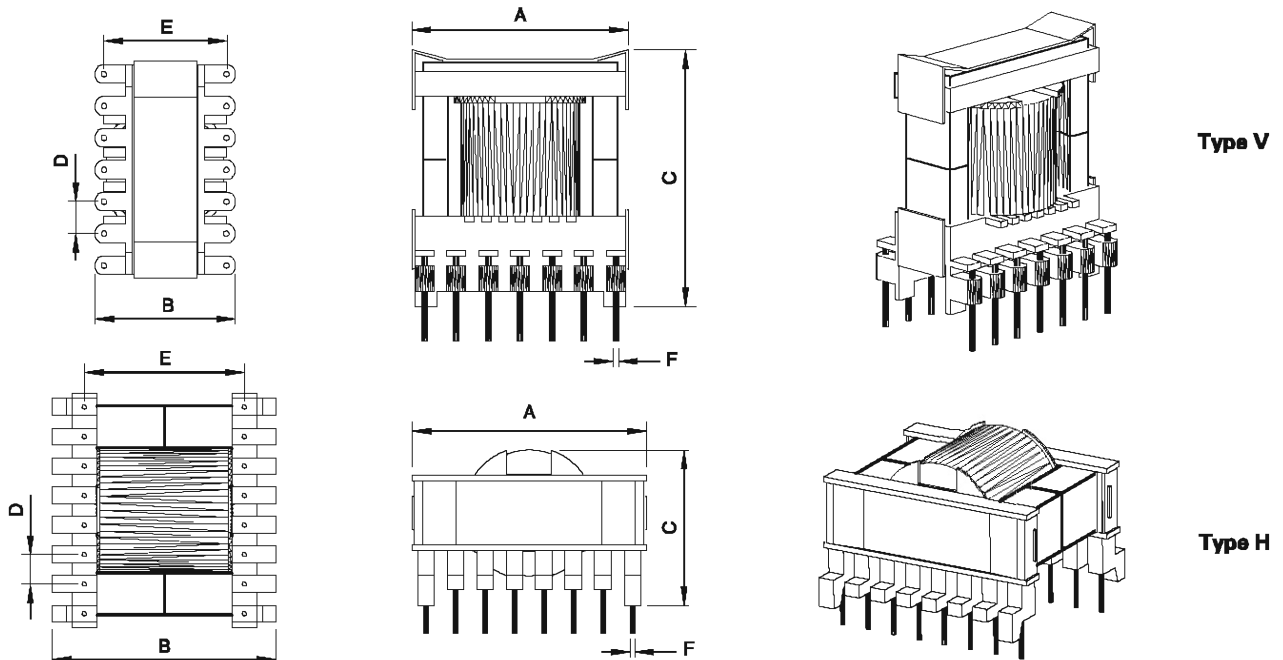
- Drive transformers
- Main transformers
- Smoothing chokes
- General purpose use

## ELECTRICAL CHARACTERISTICS

Part No.	Type	No. of Terminal pins	Dimensions(mm)						Max. output (VA)
			Max	Max	Max	± 0.3	± 0.5	± 0.1	
			A	B	C	D	E	F	
TETD 24-A	V	12	36.5	25.0	38.0	5.08	17.8	1.1	110
TETD 29-A	H	14	36.0	36.0	25.5	5.0	25.6	0.8	170
TETD 29-B	H	13	37.0	37.0	27.0	5.0	25.8	0.8	170
TETD 29-C	V	12	42.0	24.5	43.0	5.08	20.32	0.8	170
TETD 34-A	V	12	34.5	30.0	37.0	5.0	25.5	1.0	270
TETD 34-B	H	14	41.0	41.0	27.0	5.0	25.5	2.0	270
TETD 34-C	V	14	39.0	28.0	45.0	5.0	22.9	1.0	270
TETD 39-A	V	16	46.0	30.5	49.6	5.0	25.4	1.0	380
TETD 39-B	H	16	45.0	45.0	36.0	5.0	30.2	1.0	380
TETD 44-A	H	18	50.0	51.0	40.0	5.0	35.8	1.0	520
TETD 44-B	V	18	46.0	33.0	51.0	5.0	27.5	1.0	520
TETD 49-A	V	22	55.0	37.0	55.0	5.0	27.5	1.0	880
TETD 49-B	H	20	58.0	55.0	41.0	5.0	40.4	1.0	880
TETD 54-A	H	22	61.0	60.0	47.0	5.0	44.8	1.0	750
TETD 59-A	H	24	68.0	68.0	52.5	5.0	51.0	1.0	900

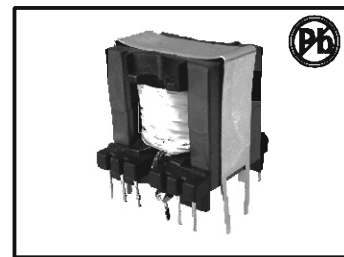
Note: The output power is only for forward model and the frequency at 100kHz

## PHYSICAL CHARACTERISTICS



# SWITCHING TRANSFORMERS

## TPQ SERIES



### FEATURES:

- Design in the fittest shape
- Applied in the power: (50W-1kW)100kHz
- Cut down installation cubage with multi-pluge and boobins, easily wire connection to meet the request
- Low leakage

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

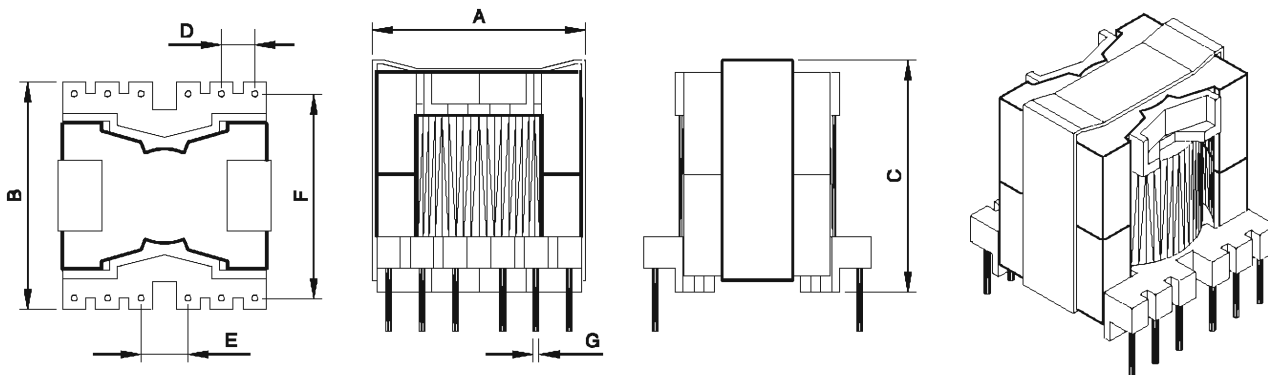
- Drive transformers
- Mah transformers
- Smoothing chokes
- Switching power supplies
- AC-DC, DC-DC converters

## ELECTRICAL CHARACTERISTICS

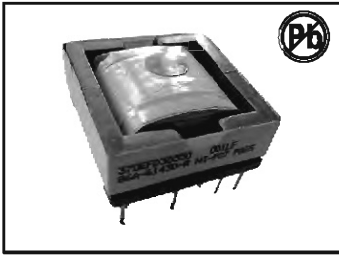
Part No.	Type	No. of Terminal pins	Dimensions(mm)							Max. output (VA)
			Max	Max	Max	±0.3	±0.4	±0.5	±0.1	
			A	B	C	D	E	F	G	
TPQ 2020-A	V	14(6+8)	24.0	24.0	22.0	3.8/2.5	5.1	20.3	0.6	92
TPQ 2620-A	V	12	28.0	32.0	22.0	3.8	7.6	25.4	0.6	170
TPQ 2620-B	V	12	28.0	32.0	21.0	3.8	7.6	25.4	0.6	170
TPQ 2625-A	V	12	28.5	31.0	28.0	3.8	7.5	25.5	0.7	195
TPQ 3220-A	V	12	33.0	35.0	24.0	5.0	7.5	30.0	0.8	232
TPQ 3220-B	V	12	33.0	36.0	22.0	5.1	7.6	30.5	0.8	232
TPQ 3225-A	V	12	35.5	35.0	27.0	5.0	7.4	30.0	0.8	280
TPQ 3230-A	V	12	33.0	36.0	32.0	5.05	7.6	30.3	0.8	331
TPQ 3535-A	V	12	37.0	41.0	38.5	5.0	10.0	35.0	0.8	452
TPQ 4040-A	V	12	41.0	44.0	43.0	5.0	15.1	38.0	0.8	596
TPQ 5050-A	V	12	52.0	53.0	54.0	7.62	15.24	45.72	1.2	1045

Note: The output power is only for forward model and the frequency at 100kHz

## PHYSICAL CHARACTERISTICS



Type V



# SWITCHING TRANSFORMERS TEFD SERIES

## FEATURES:

- Horizontal installation
- Multi out-put applied in denseness installation

## OPTIONS:

- Bulk packaging is standard
- Custom design available

## COMMON APPLICATIONS:

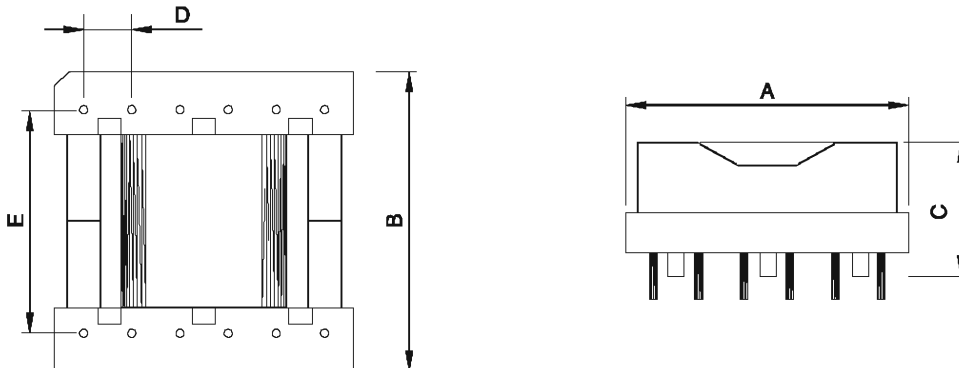
- Drive transformers
- Main transformers
- Smoothing chokes
- General purpose use
- Switching power supplies
- AC-DC, DC-DC converters

## ELECTRICAL CHARACTERISTICS

Part No.	Type	No. of Terminal pins	Dimensions(mm)						Max. output (VA)
			Max	Max	Max	± 0.3	± 0.5	± 0.1	
			A	B	C	D	E	F	
TEFD 15-A	H	8	17	18	9.5	3.7	13.7	0.6	5
TEFD 15-B	H	8	17	18	9.5	3.75	13.75	0.6	5
TEFD 15-C	H	8	17	18	9.5	3.8	13.7	0.6	5
TEFD 20-A	H	8	22	23	11.0	5.0	17.5	0.6	18
TEFD 20-B	H	9	22	23	11.0	5.0	17.5	0.6	18
TEFD 20-C	H	10	22	26	15.0	3.8	23.8	0.6	18
TEFD 25-A	H	10	27	28	13.0	5.0	22.45	0.8	45
TEFD 25-B	H	10	27	28	15.0	5.0	22.5	0.8	45
TEFD 30-A	H	12	32	33	14.0	5.0	27.4	0.8	70
TEFD 30-B	H	12	32	36	18.0	5.0	30.0	0.8	70
TEFD 30-C	H	12	32	37	14.0	5.0	32.0	0.8	70

Note: The output power is only for forward model and the frequency at 100kHz

## PHYSICAL CHARACTERISTICS



Type H

# SMD LOW PROFILE SWITCHING TRANSFORMER

## STefd SERIES



### FEATURES:

- Multiple Combination
- Series Mode or Parallel Mode
- Low Profile

### COMMON APPLICATIONS:

- SMPS DC-DC converter
- CMC, Differential
- Flyback, Boost, Buck
- ADSL/VDSL
- Switching power supplier

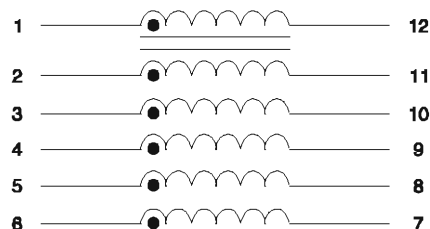
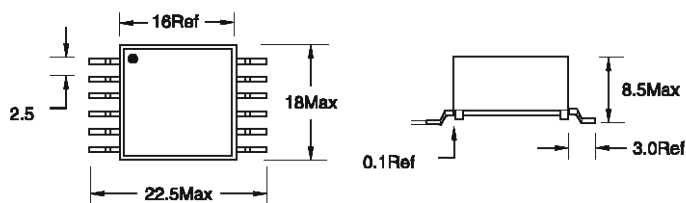
## STANDARD SPECIFICATIONS @25°C

Part Number		L (μH) ± 20%	Leakage (μH) Typ.	DCR Max (Ω) Max	1rms Typ (mA) Typ.
EFD15	STefd15-3R8	3.8	0.08	0.07	1.5
	STefd15-4R5	4.5	0.06	0.07	1.5
	STefd15-6R8	6.8	0.06	0.07	1.5
	STefd15-110	11.3	0.06	0.07	1.5
	STefd15-630	63	0.06	0.07	1.5
EFD20	STefd20-3R5	3.5	0.11	0.05	2.1
	STefd20-4R5	4.5	0.11	0.05	2.1
	STefd20-5R3	5.3	0.11	0.05	2.1
	STefd20-100	10	0.11	0.05	2.1
	STefd20-770	77	0.11	0.05	2.1

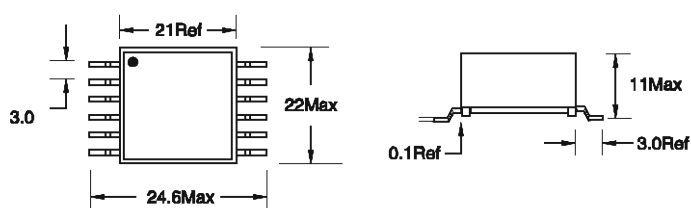
## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

Dimensions:mm

### STefd15

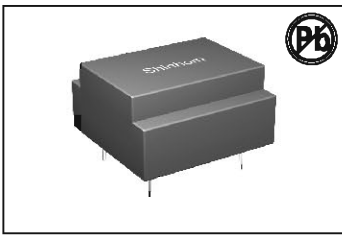


### STefd20



- Inductance measure at Pin 1-2,100KHz 0.1VRms.
- DCR measure at individual winding
- Leakage measure at pin 1-12 with all other windings shorted
- Insulation Resistance: 500 VDC,1KM Ohm min.
- Turns ratio: 1:1:1:1:1:1
- Soldering temperature:260°C for 4 ± 1 seconds
- Operating temperature:0°C to 70°C
- Storage Temperature:-25°C to 85°C
- Different package available per special request

Notes:All specifications subject to change without notice.



# 50/60HZ PCB MOUNT TRANSFORMERS – EE RANGE

## 0.35W EE20-6.1 PE20 SERIES

### FEATURES:

- It is miniaturised to be easily PCB mounted.
- It has very high insulation of 4000Vrms Hi-pot.
- It accords with UL94V-0 flammability requirements.
- Heat-resistance reaches 130°C

### OPTIONS:

- Packaging unit: 50 pieces
- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

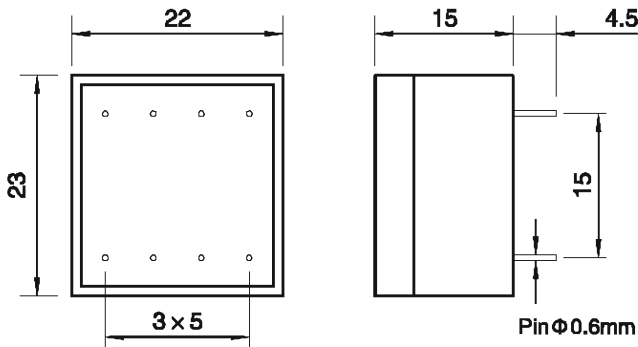
- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS (@ 25°C)

Part Number	Primary (V)	Secondary (V/mA)	No-load voltage(V)	Fig.	Part Number	Primary (V)	Secondary (V/mA)	No-load voltage(V)	Fig.
PE200601	230	6 / 58.0	10.80	1	PE200613	115	6 / 58.0	10.80	1
PE200602	230	9 / 39.0	16.50	1	PE200614	115	9 / 39.0	16.50	1
PE200603	230	12 / 29.0	21.90	1	PE200615	115	12 / 29.0	21.90	1
PE200604	230	15 / 23.0	27.00	1	PE200616	115	15 / 23.0	27.00	1
PE200605	230	18 / 19.0	31.50	1	PE200617	115	18 / 19.0	31.50	1
PE200606	230	24 / 14.0	41.70	1	PE200618	115	24 / 14.0	41.70	1
PE200607	230	2 × 6 / 29.0	2 × 10.95	2	PE200619	115	2 × 6 / 29.0	2 × 10.95	2
PE200608	230	2 × 9 / 19.0	2 × 15.60	2	PE200620	115	2 × 9 / 19.0	2 × 15.60	2
PE200609	230	2 × 12 / 14.0	2 × 20.70	2	PE200621	115	2 × 12 / 14.0	2 × 20.70	2
PE200610	230	2 × 15 / 12.0	2 × 26.00	2	PE200622	115	2 × 15 / 12.0	2 × 26.00	2
PE200611	230	2 × 18 / 9.5	2 × 31.20	2	PE200623	115	2 × 18 / 9.5	2 × 31.20	2
PE200612	230	2 × 24 / 7.0	2 × 41.90	2	PE200624	115	2 × 24 / 7.0	2 × 41.90	2

- Frequency 50/60Hz
- Split-bobbin
- Short-circuit-proof
- Potted under vacuum
- Temperature class to 70°C/B
- weight: 0.024kg

## PHYSICAL CHARACTERISTICS TECHNICAL INFORMATION



All dimensions in mm

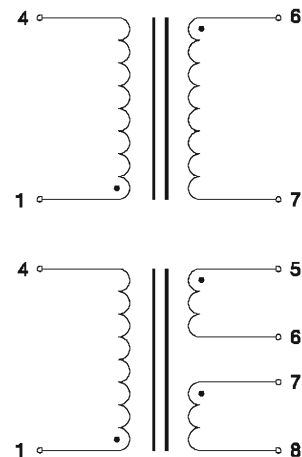


Fig 1

Fig 2

# 50/60HZ PCB MOUNT TRANSFORMERS – EE RANGE

## 0.35W EE20–10 PE20 SERIES



### FEATURES:

- It is miniaturised to be easily PCB mounted.
- It has very high insulation of 4000Vrms HI-pot.
- It accords with UL94V-0 flammability requirements.
- Heat-resistance reaches 130°C

### OPTIONS:

- Packaging unit: 50 pieces
- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

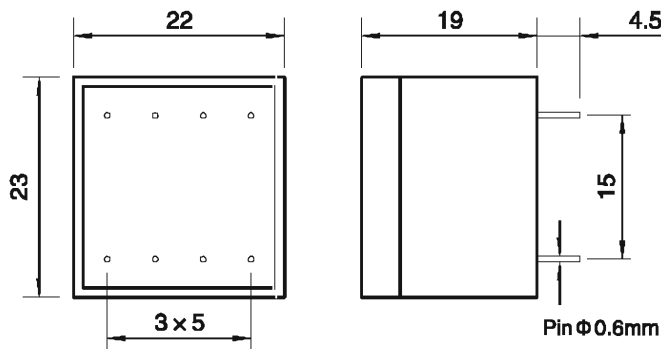
- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS (@ 25°C)

Part Number	Primary (V)	Secondary (V/mA)	No-load voltage(V)	Fig.	Part Number	Primary (V)	Secondary (V/mA)	No-load voltage(V)	Fig.
PE201011	230	6 / 83.0	8.90	1	PE201013	115	6 / 83.0	8.90	1
PE201012	230	9 / 55.0	13.50	1	PE201014	115	9 / 55.0	13.50	1
PE201013	230	12 / 42.0	19.40	1	PE201015	115	12 / 42.0	19.40	1
PE201014	230	15 / 34.0	24.60	1	PE201016	115	15 / 34.0	24.60	1
PE201015	230	18 / 28.0	29.50	1	PE201017	115	18 / 28.0	29.50	1
PE201016	230	24 / 21.0	39.60	1	PE201018	115	24 / 21.0	39.60	1
PE201017	230	2 x 6 / 42.0	2 x 9.60	2	PE201019	115	2 x 6 / 42.0	2 x 9.60	2
PE201018	230	2 x 9 / 28.0	2 x 15.20	2	PE201010	115	2 x 9 / 28.0	2 x 15.20	2
PE201019	230	2 x 12 / 21.0	2 x 19.10	2	PE201011	115	2 x 12 / 21.0	2 x 19.10	2
PE201010	230	2 x 15 / 16.0	2 x 23.30	2	PE201012	115	2 x 15 / 16.0	2 x 23.30	2
PE201011	230	2 x 18 / 14.0	2 x 29.20	2	PE201013	115	2 x 18 / 14.0	2 x 29.20	2
PE201012	230	2 x 24 / 10.0	2 x 38.80	2	PE201014	115	2 x 24 / 10.0	2 x 38.80	2

- Frequency 50/60Hz
- Split-bobbin
- Short-circuit-proof
- Potted under vacuum
- Temperature class to 70°C/B
- weight: 0.035kg

## PHYSICAL CHARACTERISTICS      TECHNICAL INFORMATION



All dimensions in mm

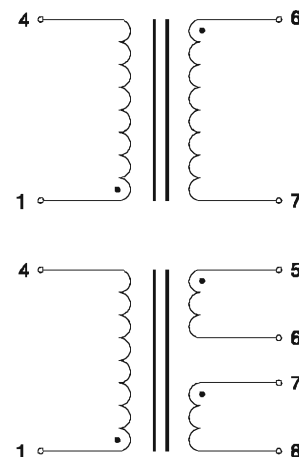


Fig 1

Fig 2



# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 0.6W EI 30-5-PE3005 SERIES

### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 40 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

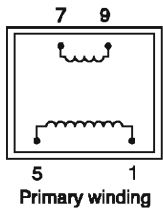
PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
PE300513	6	100	9.94	T70B	0.6	PE300525	6	100	9.94	T70B	0.6
PE300514	9	66	14.95	T70B	0.6	PE300526	9	66	14.95	T70B	0.6
PE300515	12	50	19.9	T70B	0.6	PE300527	12	50	19.9	T70B	0.6
PE300516	15	40	24.9	T70B	0.6	PE300528	15	40	24.9	T70B	0.6
PE300517	18	33	29.9	T70B	0.6	PE300529	18	33	29.9	T70B	0.6
PE300518	24	25	39.8	T70B	0.6	PE300530	24	25	39.8	T70B	0.6
PE300519	2 × 6	2 × 50	2 × 9.94	T70B	0.6	PE300531	2 × 6	2 × 50	2 × 9.94	T70B	0.6
PE300520	2 × 9	2 × 33	2 × 14.95	T70B	0.6	PE300532	2 × 9	2 × 33	2 × 14.95	T70B	0.6
PE300521	2 × 12	2 × 25	2 × 19.9	T70B	0.6	PE300533	2 × 12	2 × 25	2 × 19.9	T70B	0.6
PE300522*	2 × 15	2 × 20	2 × 24.9	T70B	0.6	PE300534	2 × 15	2 × 20	2 × 24.9	T70B	0.6
PE300523*	2 × 18	2 × 17	2 × 29.9	T70B	0.6	PE300535	2 × 18	2 × 17	2 × 29.9	T70B	0.6
PE300524*	2 × 24	2 × 12	2 × 39.8	T70B	0.6	PE300536	2 × 24	2 × 12	2 × 39.8	T70B	0.6

\*Note: non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

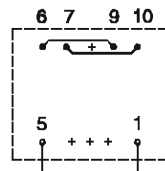
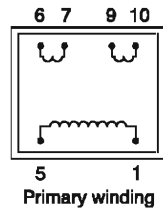
## TECHNICAL INFORMATION

- Resin class B CEI 85 (20000 h testing to CEI 126)
- Inherently short-circuits proof transformer
- UL approved primary versions: 24V, 48V, 240V (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

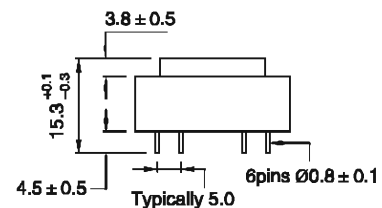
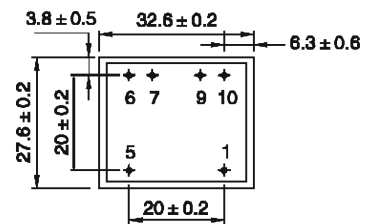
1 Secondary winding



2 Secondary winding

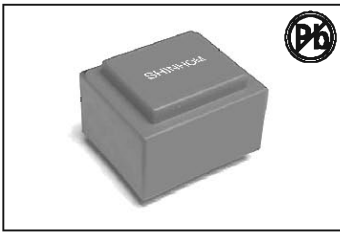


## PHYSICAL CHARACTERISTICS



All dimensions in mm

Recommended Drill-hole Diameter for 1.3mm pins



# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 1.5W EI 30-12.5-PE3012 SERIES

### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 80 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

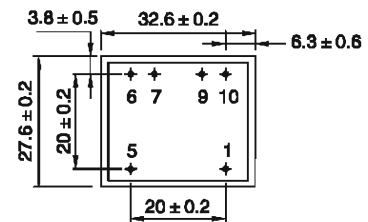
PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
PE301285	6	250	9.7	T70B	1.5	PE301297	6	250	9.7	T70B	1.5
PE301286	9	167	14.5	T70B	1.5	PE301298	9	167	14.5	T70B	1.5
PE301287	12	125	19.3	T70B	1.5	PE301299	12	125	19.3	T70B	1.5
PE301288	15	100	24.2	T70B	1.5	PE3012100	15	100	24.2	T70B	1.5
PE301289	18	83	29.8	T70B	1.5	PE3012101	18	83	29.8	T70B	1.5
PE301290	24	63	38.6	T70B	1.5	PE3012102	24	63	38.6	T70B	1.5
PE301291	2 x 6	2 x 125	2 x 9.7	T70B	1.5	PE3012103	2 x 6	2 x 125	2 x 9.7	T70B	1.5
PE301292	2 x 9	2 x 83	2 x 15	T70B	1.5	PE3012104	2 x 9	2 x 83	2 x 15	T70B	1.5
PE301293	2 x 12	2 x 63	2 x 19.3	T70B	1.5	PE3012105	2 x 12	2 x 63	2 x 19.3	T70B	1.5
PE301294	2 x 15	2 x 50	2 x 24.2	T70B	1.5	PE3012106	2 x 15	2 x 50	2 x 24.2	T70B	1.5
PE301295*	2 x 18	2 x 42	2 x 29	T70B	1.5	PE3012107	2 x 18	2 x 42	2 x 29	T70B	1.5
PE301296*	2 x 24	2 x 31	2 x 38.6	T70B	1.5	PE3012108	2 x 24	2 x 31	2 x 38.6	T70B	1.5

\* To be noted : 2 x 18 V and 2 x 24 non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

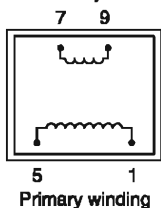
## TECHNICAL INFORMATION

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof transformer
- 30 V model is VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

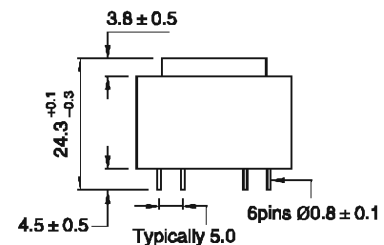
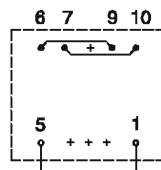
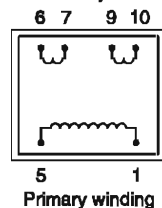
## PHYSICAL CHARACTERISTICS



1 Secondary winding



2 Secondary winding



All dimensions in mm

Recommended Drill-hole Diameter for 1.3mm pins

# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 1W EI 30-10.5-PE3010 SERIES



### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 70 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

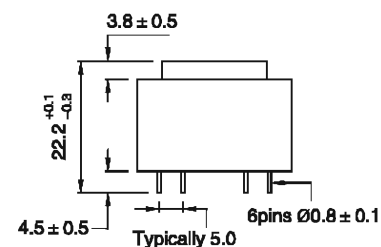
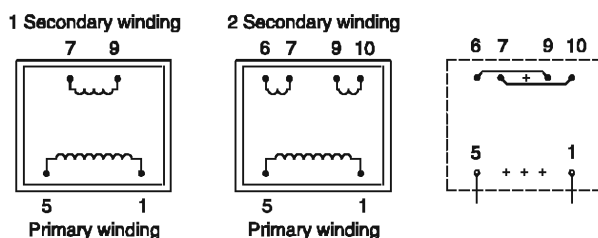
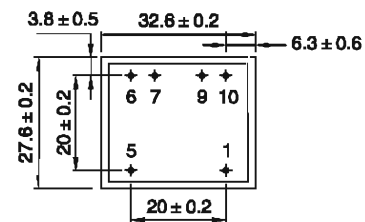
## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
PE301049	6	167	8.6	T70B	1	PE301081	6	167	8.6	T70B	1
PE301050	9	111	12.9	T70B	1	PE301062	9	111	12.9	T70B	1
PE301051	12	83	17.2	T70B	1	PE301063	12	83	17.2	T70B	1
PE301052	15	67	21.6	T70B	1	PE301064	15	67	21.6	T70B	1
PE301053	18	56	25.9	T70B	1	PE301065	18	56	25.9	T70B	1
PE301054	24	42	37.9	T70B	1	PE301066	24	42	37.9	T70B	1
PE301055	2 x 6	2 x 83	2 x 8.6	T70B	1	PE301067	2 x 6	2 x 83	2 x 8.6	T70B	1
PE301056	2 x 9	2 x 56	2 x 12.9	T70B	1	PE301068	2 x 9	2 x 56	2 x 12.9	T70B	1
PE301057	2 x 12	2 x 42	2 x 19	T70B	1	PE301069	2 x 12	2 x 42	2 x 19	T70B	1
PE301058	2 x 15	2 x 33	2 x 23.6	T70B	1	PE301070	2 x 15	2 x 33	2 x 23.6	T70B	1
PE301059	2 x 18	2 x 28	2 x 24.9	T70B	1	PE301071	2 x 18	2 x 28	2 x 24.9	T70B	1
PE301060*	2 x 24	2 x 21	2 x 37.9	T70B	1	PE301072	2 x 24	2 x 21	2 x 37.9	T70B	1

\* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558-2-6 (isolating transformer).

## TECHNICAL INFORMATION      PHYSICAL CHARACTERISTICS

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof transformer
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request



All dimensions in mm

Recommended Drill-hole Diameter for 1.3mm pins

# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 2W EI 30-15.5-PE3015 SERIES



### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 100 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

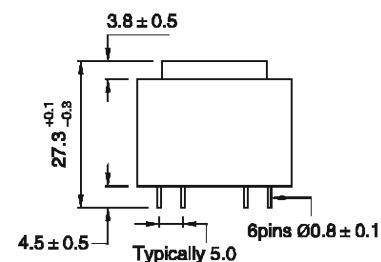
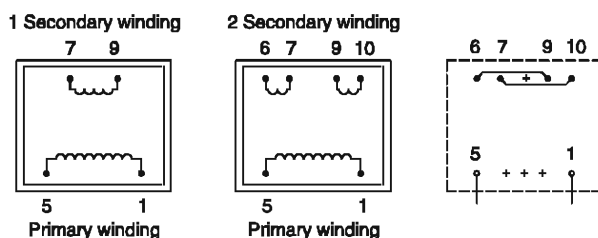
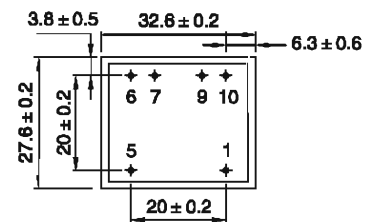
## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
PE301521	6	333	10.4	T70B	2	PE301533	6	333	10.4	T70B	2
PE301522	9	222	15.5	T70B	2	PE301534	9	222	15.5	T70B	2
PE301523	12	167	20.7	T70B	2	PE301535	12	167	20.7	T70B	2
PE301524	15	133	25.8	T70B	2	PE301536	15	133	25.8	T70B	2
PE301525	18	111	30.8	T70B	2	PE301537	18	111	30.8	T70B	2
PE301526	24	83	41.4	T70B	2	PE301538	24	83	41.4	T70B	2
PE301527	2x6	2x167	2x10.4	T70B	2	PE301539	2x6	2x167	2x10.4	T70B	2
PE301528	2x9	2x111	2x15.4	T70B	2	PE301540	2x9	2x111	2x15.4	T70B	2
PE301529	2x12	2x83	2x20.7	T70B	2	PE301541	2x12	2x83	2x20.7	T70B	2
PE301530	2x15	2x67	2x25.8	T70B	2	PE301542	2x15	2x67	2x25.8	T70B	2
PE301531*	2x18	2x56	2x30.8	T70B	2	PE301543	2x18	2x56	2x30.8	T70B	2
PE301532*	2x24	2x42	2x41.4	T70B	2	PE301544	2x24	2x42	2x41.4	T70B	2

\* To be noted : 2 x 18 V and 2 x 24 non safety transformer approved, conform to EN 61558-2-6 (isolating transformer).

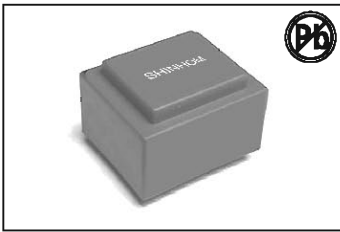
## TECHNICAL INFORMATION      PHYSICAL CHARACTERISTICS

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof transformer
- 30 V model is VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request



All dimensions in mm

Recommended Drill-hole Diameter for 1.3mm pins



# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 2.3W EI 30–18–PE3018 SERIES

### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 80 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

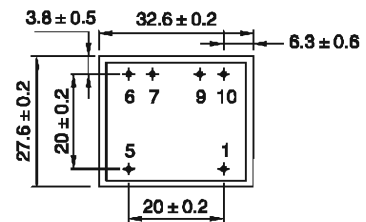
PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA
PE301857	6	383	10.5	T70B	2.3	PE301869	6	383	10.5	T70B	2.3
PE301858	9	256	15.7	T70B	2.3	PE301870	9	256	15.7	T70B	2.3
PE301859	12	192	21	T70B	2.3	PE301871	12	192	21	T70B	2.3
PE301860	15	153	25.9	T70B	2.3	PE301872	15	153	25.9	T70B	2.3
PE301861	18	128	31.4	T70B	2.3	PE301873	18	128	31.4	T70B	2.3
PE301862	24	96	41.9	T70B	2.3	PE301874	24	96	41.9	T70B	2.3
PE301863	2 x 6	2 x 192	2 x 10.5	T70B	2.3	PE301875	2 x 6	2 x 192	2 x 10.5	T70B	2.3
PE301864	2 x 9	2 x 128	2 x 15.7	T70B	2.3	PE301876	2 x 9	2 x 128	2 x 15.7	T70B	2.3
PE301865	2 x 12	2 x 96	2 x 21	T70B	2.3	PE301877	2 x 12	2 x 96	2 x 21	T70B	2.3
PE301866	2 x 15	2 x 77	2 x 25.9	T70B	2.3	PE301878	2 x 15	2 x 77	2 x 25.9	T70B	2.3
PE301867*	2 x 18	2 x 64	2 x 31.4	T70B	2.3	PE301879	2 x 18	2 x 64	2 x 31.4	T70B	2.3
PE301868*	2 x 24	2 x 48	2 x 41.9	T70B	2.3	PE301880	2 x 24	2 x 48	2 x 41.9	T70B	2.3

\*To be noted : 2 x 18 V and 2 x 24 non safety transformer approved, conform to EN 61558–2–6 (Isolating transformer).

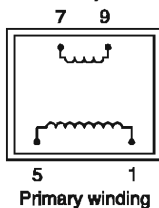
## TECHNICAL INFORMATION

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Inherently short-circuits proof transformer
- 30 V model is VDE EN 61558–2–6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

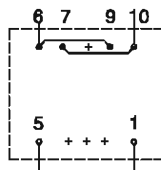
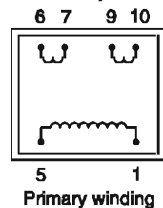
## PHYSICAL CHARACTERISTICS



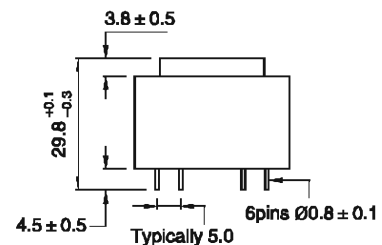
1 Secondary winding



2 Secondary winding



All dimensions in mm



Recommended Drill-hole Diameter for 1.3mm pins

# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 3.2W EI 38-13.6-PE3813 SERIES



### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 V0
- Degree of protection IP 00
- 150 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

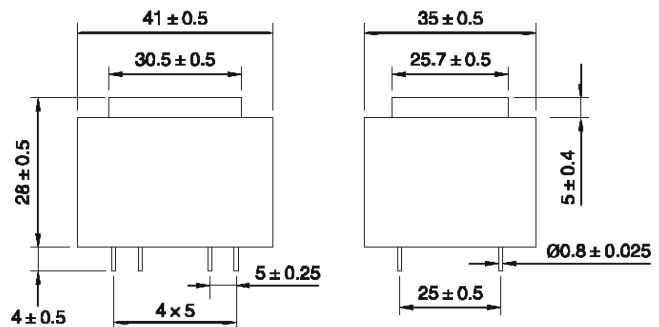
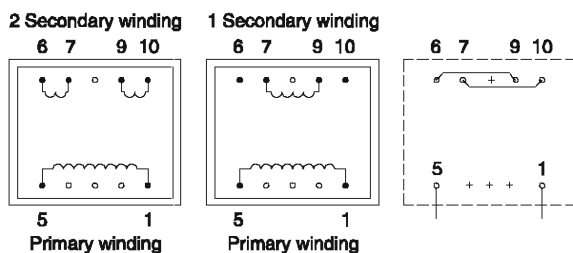
PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
PE381393	6	533	8	T70B	3.2	PE381305	6	533	8	T70B	3.2
PE381394	9	356	12	T70B	3.2	PE381306	9	356	12	T70B	3.2
PE381395	12	267	16	T70B	3.2	PE381307	12	267	16	T70B	3.2
PE381396	15	213	20	T70B	3.2	PE381308	15	213	20	T70B	3.2
PE381397	18	178	24.1	T70B	3.2	PE381309	18	178	24.1	T70B	3.2
PE381398	24	133	32.1	T70B	3.2	PE381310	24	133	32.1	T70B	3.2
PE381399	2 x 6	2 x 267	2 x 8	T70B	3.2	PE381311	2 x 6	2 x 267	2 x 8	T70B	3.2
PE381300	2 x 9	2 x 178	2 x 12	T70B	3.2	PE381312	2 x 9	2 x 178	2 x 12	T70B	3.2
PE381301	2 x 12	2 x 133	2 x 16	T70B	3.2	PE381313	2 x 12	2 x 133	2 x 16	T70B	3.2
PE381302	2 x 15	2 x 107	2 x 20	T70B	3.2	PE381314	2 x 15	2 x 107	2 x 20	T70B	3.2
PE381303	2 x 18	2 x 89	2 x 24	T70B	3.2	PE381315	2 x 18	2 x 89	2 x 24	T70B	3.2
PE381304*	2 x 24	2 x 67	2 x 32.1	T70B	3.2	PE381316	2 x 24	2 x 67	2 x 32.1	T70B	3.2

\* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558-2-6 (isolating transformer).

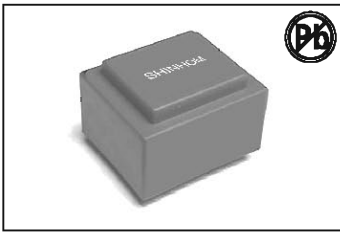
## TECHNICAL INFORMATION      PHYSICAL CHARACTERISTICS

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on secondary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

All dimensions in mm



Recommended Drill-hole Diameter for 1.3mm pins



# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 5W EI 42-14.8-PE4214 SERIES

### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 200 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C	Rating VA
PE421429	6	833	8.4	T50B	5	PE421441	6	833	8.4	T50B	5
PE421430	9	556	12.6	T50B	5	PE421442	9	556	12.6	T50B	5
PE421431	12	417	16.9	T50B	5	PE421443	12	417	16.9	T50B	5
PE421432	15	333	21	T50B	5	PE421444	15	333	21	T50B	5
PE421433	18	278	25.3	T50B	5	PE421445	18	278	25.3	T50B	5
PE421434	24	208	33.7	T50B	5	PE421446	24	208	33.7	T50B	5
PE421435	2 x 6	2 x 417	2 x 8.4	T50B	5	PE421447	2 x 6	2 x 417	2 x 8.4	T50B	5
PE421436	2 x 9	2 x 278	2 x 12.6	T50B	5	PE421448	2 x 9	2 x 278	2 x 12.6	T50B	5
PE421437	2 x 12	2 x 208	2 x 16.9	T50B	5	PE421449	2 x 12	2 x 208	2 x 16.9	T50B	5
PE421438	2 x 15	2 x 167	2 x 21	T50B	5	PE421450	2 x 15	2 x 167	2 x 21	T50B	5
PE421439	2 x 18	2 x 139	2 x 25.3	T50B	5	PE421451	2 x 18	2 x 139	2 x 25.3	T50B	5
PE421440*	2 x 24	2 x 104	2 x 33.7	T50B	5	PE421452	2 x 24	2 x 104	2 x 33.7	T50B	5

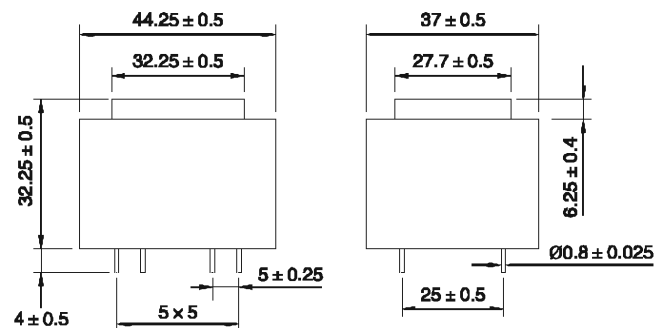
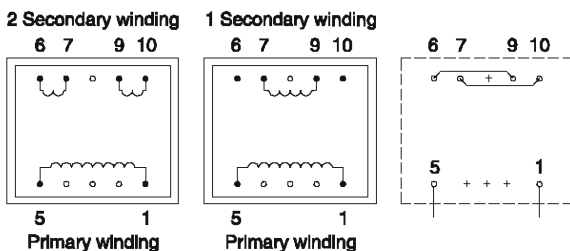
\* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

## TECHNICAL INFORMATION

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on secondary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request

## PHYSICAL CHARACTERISTICS

All dimensions in mm



Recommended Drill-hole Diameter for 1.3mm pins

# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 10W EI 48–16.8–PE4816 SERIES



### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 300 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

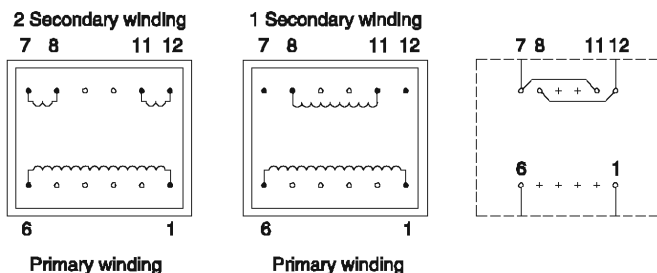
## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
PE481665	6	1667	7.2	T50B	10	PE481677	6	1667	7.2	T50B	10
PE481688	9	1111	10.8	T50B	10	PE481678	9	1111	10.8	T50B	10
PE481667	12	833	14.4	T50B	10	PE481679	12	833	14.4	T50B	10
PE481688	15	667	18.1	T50B	10	PE481680	15	667	18.1	T50B	10
PE481669	18	556	21.6	T50B	10	PE481681	18	556	21.6	T50B	10
PE481670	24	417	28.9	T50B	10	PE481682	24	417	28.9	T50B	10
PE481671	2 × 6	2 × 833	2 × 7.2	T50B	10	PE481683	2 × 6	2 × 833	2 × 7.2	T50B	10
PE481672	2 × 9	2 × 556	2 × 10.8	T50B	10	PE481684	2 × 9	2 × 556	2 × 10.8	T50B	10
PE481673	2 × 12	2 × 417	2 × 14.4	T50B	10	PE481685	2 × 12	2 × 417	2 × 14.4	T50B	10
PE481674	2 × 15	2 × 333	2 × 18.1	T50B	10	PE481686	2 × 15	2 × 333	2 × 18.1	T50B	10
PE481675	2 × 18	2 × 278	2 × 21.6	T50B	10	PE481687	2 × 18	2 × 278	2 × 21.6	T50B	10
PE481676*	2 × 24	2 × 208	2 × 28.9	T50B	10	PE481688	2 × 24	2 × 208	2 × 28.9	T50B	10

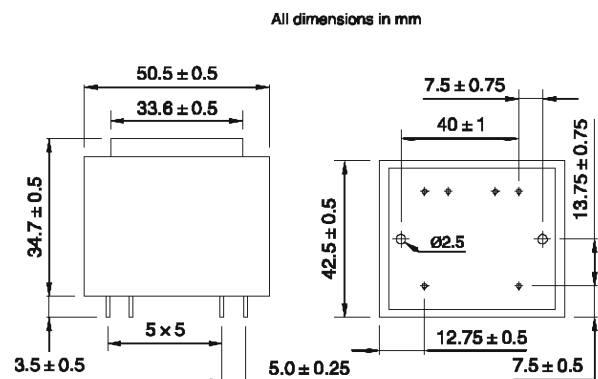
\* To be noted : marked transformers are non-approved. Protection transformers according to EN 60742 circuit isolation transformer.

## TECHNICAL INFORMATION

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on primary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 60742 certified (production on request)
- Insulation voltage 4 kV
- 100% tested production
- Certification : CCA procedure on request



## PHYSICAL CHARACTERISTICS



Recommended Drill-hole Diameter for 1.3mm pins  
Recommended Drill-hole Diameter for Mountings=4mm



# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 16W EI 54-18.8-PE5418 SERIES

### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 400 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

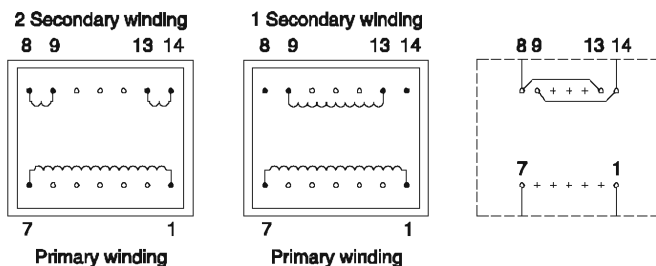
## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
PE541801	6	2667	7.4	T50B	16	PE541813	6	2667	7.4	T50B	16
PE541802	9	1778	11.1	T50B	16	PE541814	9	1778	11.1	T50B	16
PE541803	12	1333	14.7	T50B	16	PE541815	12	1333	14.7	T50B	16
PE541804	15	1067	18.4	T50B	16	PE541816	15	1067	18.4	T50B	16
PE541805	18	889	22.1	T50B	16	PE541817	18	889	22.1	T50B	16
PE541806	24	667	29.3	T50B	16	PE541818	24	667	29.3	T50B	16
PE541807	2 x 6	2 x 1333	2 x 7.4	T50B	16	PE541819	2 x 6	2 x 1333	2 x 7.4	T50B	16
PE541808	2 x 9	2 x 889	2 x 11.1	T50B	16	PE541820	2 x 9	2 x 889	2 x 11.1	T50B	16
PE541809	2 x 12	2 x 667	2 x 14.7	T50B	16	PE541821	2 x 12	2 x 667	2 x 14.7	T50B	16
PE541810	2 x 15	2 x 533	2 x 18.4	T50B	16	PE541822	2 x 15	2 x 533	2 x 18.4	T50B	16
PE541811	2 x 18	2 x 444	2 x 22	T50B	16	PE541823	2 x 18	2 x 444	2 x 22	T50B	16
PE541812*	2 x 24	2 x 333	2 x 29.3	T50B	16	PE541824	2 x 24	2 x 333	2 x 29.3	T50B	16

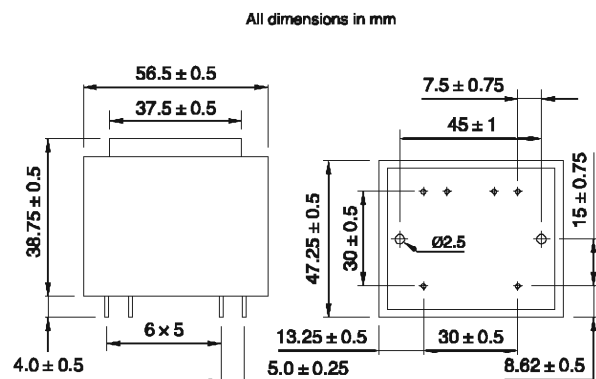
\* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558-2-6 (isolating transformer).

## TECHNICAL INFORMATION

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on secondary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request



## PHYSICAL CHARACTERISTICS



Recommended Drill-hole Diameter for 1.3mm pins  
Recommended Drill-hole Diameter for Mountings=4mm

# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 22W EI 60-21-PE6021 SERIES



### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 V0
- Degree of protection IP 00
- 550 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

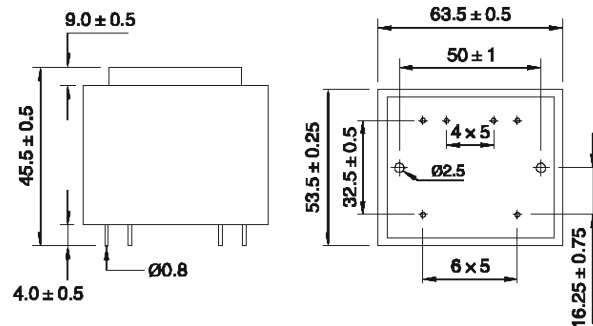
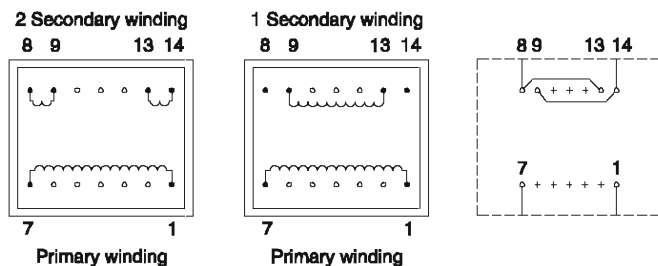
PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
PE602132	6	3667	6.8	T50B	22	PE602144	6	3667	6.8	T50B	22
PE602133	9	2444	10.3	T50B	22	PE602145	9	2444	10.3	T50B	22
PE602134	12	1833	13.7	T50B	22	PE602146	12	1833	13.7	T50B	22
PE602135	15	1467	17.1	T50B	22	PE602147	15	1467	17.1	T50B	22
PE602136	18	1222	20.5	T50B	22	PE602148	18	1222	20.5	T50B	22
PE602137	24	917	27.3	T50B	22	PE602149	24	917	27.3	T50B	22
PE602138	2 x 6	2 x 1833	2 x 6.8	T50B	22	PE602150	2 x 6	2 x 1833	2 x 6.8	T50B	22
PE602139	2 x 9	2 x 1222	2 x 10.3	T50B	22	PE602151	2 x 9	2 x 1222	2 x 10.3	T50B	22
PE602140	2 x 12	2 x 917	2 x 13.7	T50B	22	PE602152	2 x 12	2 x 917	2 x 13.7	T50B	22
PE602141	2 x 15	2 x 733	2 x 17.1	T50B	22	PE602153	2 x 15	2 x 733	2 x 17.1	T50B	22
PE602142	2 x 18	2 x 611	2 x 20.5	T50B	22	PE602154	2 x 18	2 x 611	2 x 20.5	T50B	22
PE602143*	2 x 24	2 x 458	2 x 27.3	T50B	22	PE602155	2 x 24	2 x 458	2 x 27.3	T50B	22

\* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558-2-6 (Isolating transformer).

## TECHNICAL INFORMATION      PHYSICAL CHARACTERISTICS

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on primary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV (6 KV MYRRA test)
- 100% tested production
- Certification : GCA procedure on request

All dimensions in mm



Recommended Drill-hole Diameter for 1.3mm pins  
Recommended Drill-hole Diameter for Mountings=4mm



# 50/60HZ PCB MOUNT TRANSFORMERS – EI RANGE

## 30W EI 66-23-PE6623 SERIES

### FEATURES:

- Vacuum filling
- Two compartments bobbins
- Self-extinguishing plastics UL 94 VO
- Degree of protection IP 00
- 700 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

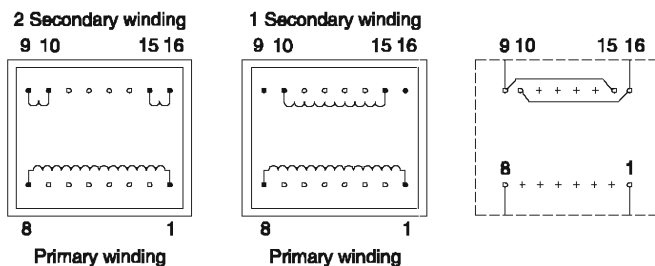
## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 230						PRIMARY VOLTAGE: 115					
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA	Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C	Rating VA
PE662373	6	5000	6.9	T50B	30	PE662385	6	5000	6.9	T50B	30
PE662374	9	333	10.3	T50B	30	PE662386	9	333	10.3	T50B	30
PE662375	12	2500	13.8	T50B	30	PE662387	12	2500	13.8	T50B	30
PE662376	15	2000	17.2	T50B	30	PE662388	15	2000	17.2	T50B	30
PE662377	18	1667	20.8	T50B	30	PE662389	18	1667	20.8	T50B	30
PE662378	24	1250	27.7	T50B	30	PE662390	24	1250	27.7	T50B	30
PE662379	2 x 6	2 x 2500	2 x 6.9	T50B	30	PE662391	2 x 6	2 x 2500	2 x 6.9	T50B	30
PE662380	2 x 9	2 x 1667	2 x 10.3	T50B	30	PE662392	2 x 9	2 x 1667	2 x 10.3	T50B	30
PE662381	2 x 12	2 x 1250	2 x 13.8	T50B	30	PE662393	2 x 12	2 x 1250	2 x 13.8	T50B	30
PE662382	2 x 15	2 x 1000	2 x 17.2	T50B	30	PE662394	2 x 15	2 x 1000	2 x 17.2	T50B	30
PE662383	2 x 18	2 x 833	2 x 20.8	T50B	30	PE662395	2 x 18	2 x 833	2 x 20.8	T50B	30
PE662384*	2 x 24	2 x 625	2 x 27.7	T50B	30	PE662396	2 x 24	2 x 625	2 x 27.7	T50B	30

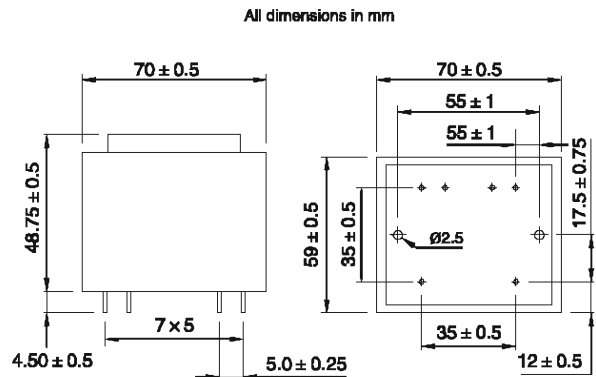
\* To be noted : 2 x 24 V non safety transformer approved, conform to EN 61558-2-6 (isolating transformer).

## TECHNICAL INFORMATION

- Resin class B CEI 85 (20 000 h testing to CEI 126)
- Fuse protection on primary side (see diagram) to be assumed by customer
- 30 V and 36 V models are VDE EN 61558-2-6 certified (production on request)
- Insulation voltage 4 KV
- 100% tested production
- Certification : CCA procedure on request



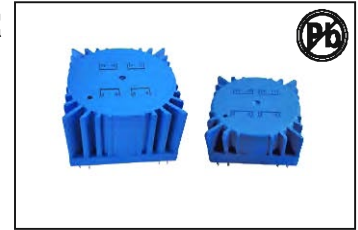
## PHYSICAL CHARACTERISTICS



Recommended Drill-hole Diameter for 1.3mm pins  
Recommended Drill-hole Diameter for Mountings=4mm

# PCB MOUNT TOROIDAL ENCAPSULATED TRANSFORMER

## 1.6W PETT SERIES



### FEATURES:

- Low profile; High efficiency
- Fully encapsulated; magnetically shielded
- Low standby current
- Safety approved-UL508,UL5085-1&2; UL6500/UL60065

### COMMON APPLICATIONS:

- Medical equipment
- Test equipment
- Media & high-end audio equipment
- Broadcast sound systems and other various devices

## ELECTRICAL CHARACTERISTICS (@ 25°C)

Part No.	Power VA	Series		Parallel	
		Output Voltage(V)	Output Current(mA)	Output Voltage(V)	Output Current(mA)
PETT016012	1.6	12	133	6	266
PETT016014	1.6	14	114	7	228
PETT016018	1.6	18	89	9	178
PETT016024	1.6	24	67	12	134
PETT016030	1.6	30	53	15	106
PETT016036	1.6	36	44	18	88
PETT016044	1.6	44	36	22	72
PETT016048	1.6	48	33	24	66

#### Dual Primary

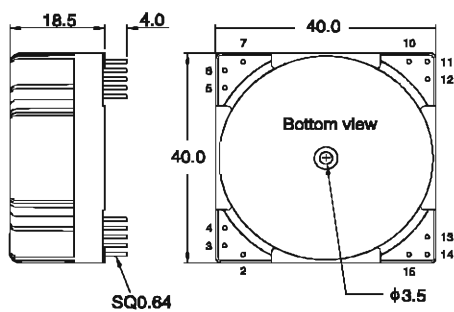
115V, 60Hz (Pin3 – Pin6) (Pins3, 5 short; Pins 4, 6 short)  
 230V 50Hz (Pin3 –Pin6) (Pins 4, 5 short)

#### Dual Secondary

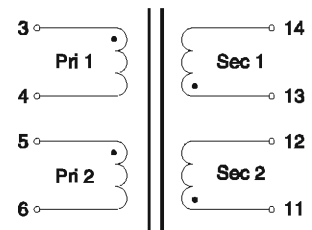
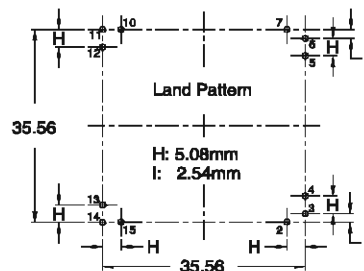
In Series (Pin11 –Pin14) (Pins12, 13 short)  
 In Parallel (Pin11 –Pin14) (Pins11,13 short;Pins12,14 short)

## PHYSICAL CHARACTERISTICS

## TECHNICAL INFORMATION



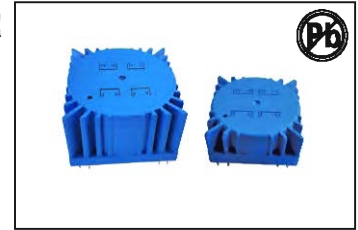
All dimensions in mm



- Primary: Dual primary (115V/230V 50/60Hz)
- Secondary: Series or parallel
- High ambient operating temperature: +60°C max
- Insulation Class: Class F (155°C)
- Dielectric Strength: 4000Vrms
- Operating temperature: -40°C to +120°C
- Storage temperature: -40°C to +105°C
- Blind center hole
- Unused pins are omitted for standard parts. Unused pins can be provided on request.

# PCB MOUNT TOROIDAL ENCAPSULATED TRANSFORMER

## 3.2W PETT SERIES



### FEATURES:

- Low profile; High efficiency
- Fully encapsulated; magnetically shielded
- Low standby current
- Safety approved-UL508,UL5085-1&2; UL6500/UL60065

### COMMON APPLICATIONS:

- Medical equipment
- Test equipment
- Media & high-end audio equipment
- Broadcast sound systems and other various devices

## ELECTRICAL CHARACTERISTICS (@ 25°C)

Part No.	Power VA	Series		Parallel	
		Output Voltage(V)	Output Current(mA)	Output Voltage(V)	Output Current(mA)
PETT032012	3.2	12	266	6	532
PETT032014	3.2	14	229	7	458
PETT032018	3.2	18	178	9	356
PETT032024	3.2	24	133	12	266
PETT032030	3.2	30	107	15	214
PETT032036	3.2	36	89	18	178
PETT032044	3.2	44	73	22	146
PETT032048	3.2	48	66	24	132

#### Dual Primary

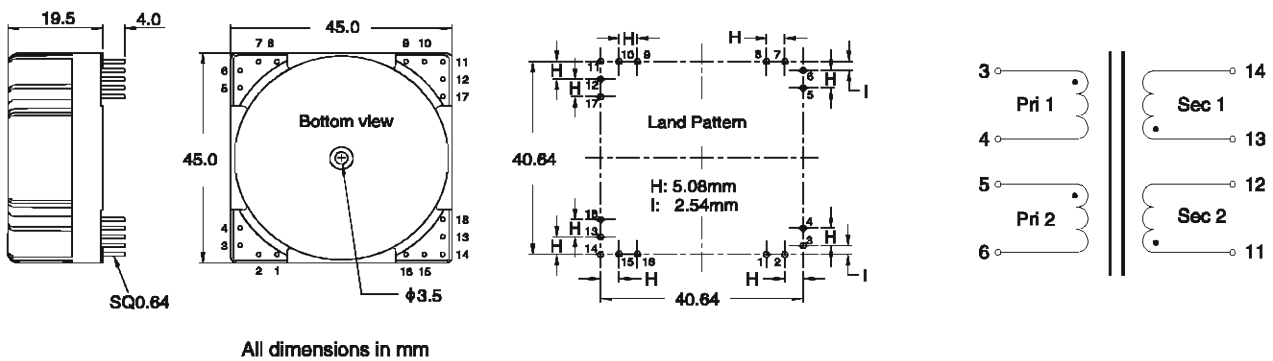
115V, 60Hz (Pin3 – Pin6) (Pins3, 5 short; Pins 4, 6 short)  
 230V 50Hz (Pin3 –Pin6) (Pins 4, 5 short)

#### Dual Secondary

In Series (Pin11 –Pin14) (Pins12, 13 short)  
 In Parallel (Pin11 –Pin14) (Pins11,13 short;Pins12,14 short)

## PHYSICAL CHARACTERISTICS

## TECHNICAL INFORMATION

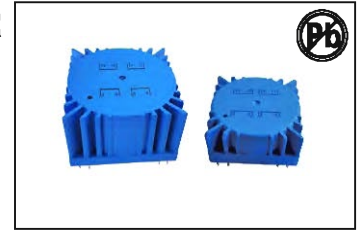


All dimensions in mm

- Primary: Dual primary (115V/230V 50/60Hz)
- Secondary: Series or parallel
- High ambient operating temperature: +60°C max
- Insulation Class: Class F (155°C)
- Dielectric Strength: 4000Vrms
- Operating temperature: -40°C to +120°C
- Storage temperature: -40°C to +105°C
- Blind center hole
- Unused pins are omitted for standard parts. Unused pins can be provided on request.

# PCB MOUNT TOROIDAL ENCAPSULATED TRANSFORMER

## 5W PETT SERIES



### FEATURES:

- Low profile; High efficiency
- Fully encapsulated; magnetically shielded
- Low standby current
- Safety approved-UL508,UL5085-1&2; UL6500/UL60065

### COMMON APPLICATIONS:

- Medical equipment
- Test equipment
- Media & high-end audio equipment
- Broadcast sound systems and other various devices

## ELECTRICAL CHARACTERISTICS (@ 25°C)

Part No.	Power VA	Series		Parallel	
		Output Voltage(V)	Output Current(mA)	Output Voltage(V)	Output Current(mA)
PETT050012	5.0	12	416	6	832
PETT050014	5.0	14	357	7	714
PETT050018	5.0	18	278	9	556
PETT050024	5.0	24	208	12	416
PETT050030	5.0	30	167	15	334
PETT050036	5.0	36	139	18	278
PETT050044	5.0	44	114	22	228
PETT050048	5.0	48	104	24	208

#### Dual Primary

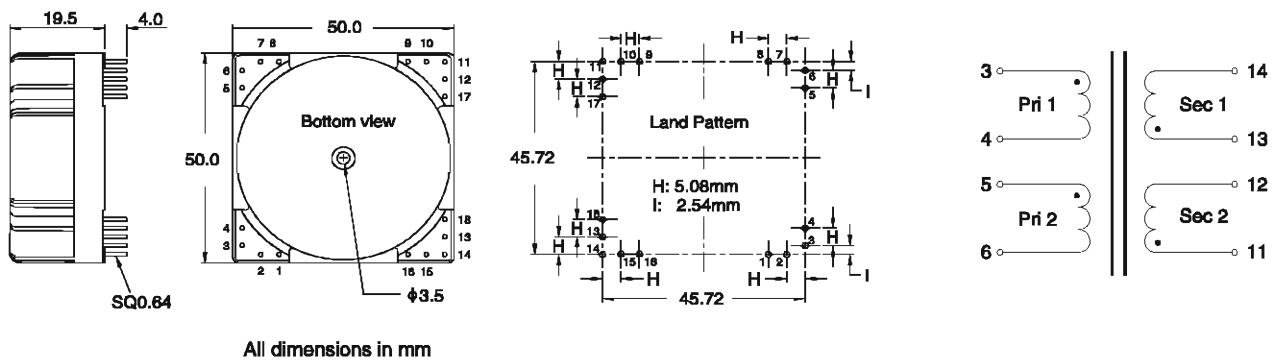
115V, 60Hz (Pin3 – Pin6) (Pins3, 5 short; Pins 4, 6 short)  
 230V 50Hz (Pin3 –Pin6) (Pins 4, 5 short)

#### Dual Secondary

In Series (Pin11 –Pin14) (Pins12, 13 short)  
 In Parallel (Pin11 –Pin14) (Pins11,13 short;Pins12,14 short)

## PHYSICAL CHARACTERISTICS

## TECHNICAL INFORMATION

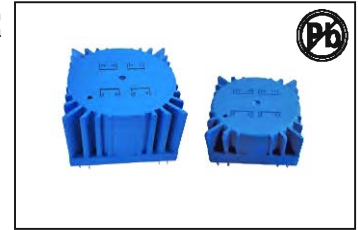


All dimensions in mm

- Primary: Dual primary (115V/230V 50/60Hz)
- Secondary: Series or parallel
- High ambient operating temperature: +60°C max
- Insulation Class: Class F (155°C)
- Dielectric Strength: 4000Vrms
- Operating temperature: -40°C to +120°C
- Storage temperature: -40°C to +105°C
- Blind center hole
- Unused pins are omitted for standard parts. Unused pins can be provided on request.

# PCB MOUNT TOROIDAL ENCAPSULATED TRANSFORMER

## 7W PETT SERIES



### FEATURES:

- Low profile; High efficiency
- Fully encapsulated; magnetically shielded
- Low standby current
- Safety approved-UL508,UL5085-1&2; UL6500/UL60065

### COMMON APPLICATIONS:

- Medical equipment
- Test equipment
- Media & high-end audio equipment
- Broadcast sound systems and other various devices

## ELECTRICAL CHARACTERISTICS (@ 25°C)

Part No.	Power VA	Series		Parallel	
		Output Voltage(V)	Output Current(mA)	Output Voltage(V)	Output Current(mA)
PETT070012	7.0	12	583	6	1166
PETT070014	7.0	14	500	7	1000
PETT070018	7.0	18	389	9	778
PETT070024	7.0	24	292	12	584
PETT070030	7.0	30	233	15	466
PETT070036	7.0	36	194	18	388
PETT070044	7.0	44	159	22	318
PETT070048	7.0	48	145	24	290

#### Dual Primary

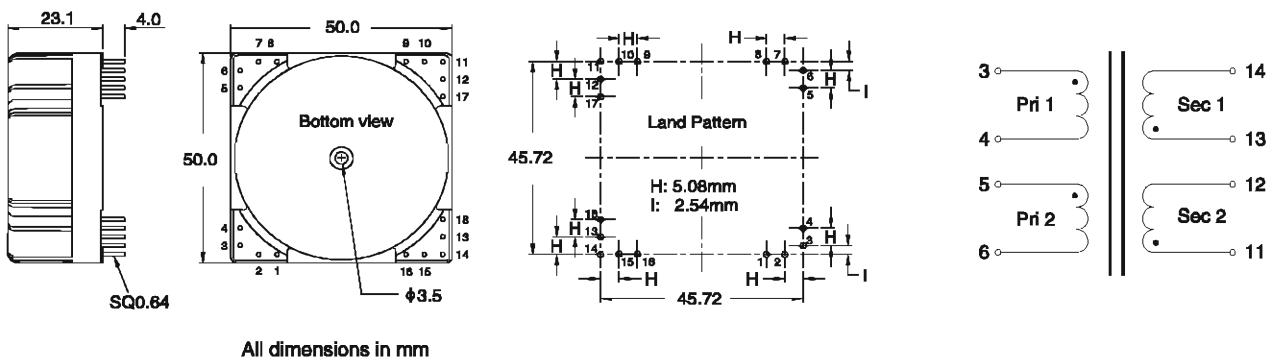
115V, 60Hz (Pin3 – Pin6) (Pins3, 5 short; Pins 4, 6 short)  
 230V 50Hz (Pin3 –Pin6) (Pins 4, 5 short)

#### Dual Secondary

In Series (Pin11 –Pin14) (Pins12, 13 short)  
 In Parallel (Pin11 –Pin14) (Pins11,13 short;Pins12,14 short)

## PHYSICAL CHARACTERISTICS

## TECHNICAL INFORMATION

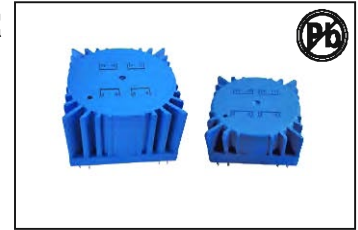


All dimensions in mm

- Primary: Dual primary (115V/230V 50/60Hz)
- Secondary: Series or parallel
- High ambient operating temperature: +60°C max
- Insulation Class: Class F (155°C)
- Dielectric Strength: 4000Vrms
- Operating temperature: -40°C to +120°C
- Storage temperature: -40°C to +105°C
- Blind center hole
- Unused pins are omitted for standard parts. Unused pins can be provided on request.

# PCB MOUNT TOROIDAL ENCAPSULATED TRANSFORMER

## 10W PETT SERIES



### FEATURES:

- Low profile; High efficiency
- Fully encapsulated; magnetically shielded
- Low standby current
- Safety approved-UL508,UL5085-1&2; UL6500/UL60065

### COMMON APPLICATIONS:

- Medical equipment
- Test equipment
- Media & high-end audio equipment
- Broadcast sound systems and other various devices

## ELECTRICAL CHARACTERISTICS (@ 25°C)

Part No.	Power VA	Series		Parallel	
		Output Voltage(V)	Output Current(mA)	Output Voltage(V)	Output Current(mA)
PETT100012	10.0	12	833	6	1666
PETT100014	10.0	14	714	7	1428
PETT100018	10.0	18	556	9	1112
PETT100024	10.0	24	417	12	834
PETT100030	10.0	30	333	15	666
PETT100036	10.0	36	278	18	556
PETT100044	10.0	44	227	22	454
PETT100048	10.0	48	208	24	416

#### Dual Primary

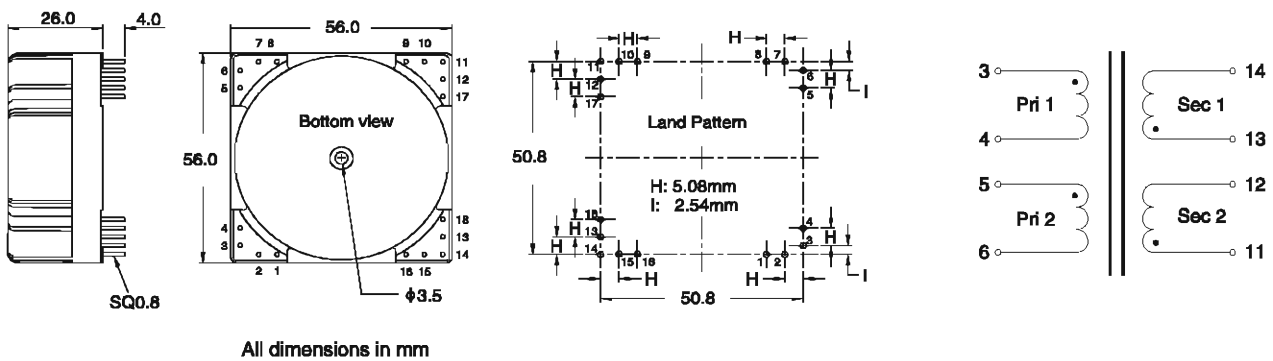
115V, 60Hz (Pin3 – Pin6) (Pins3, 5 short; Pins 4, 6 short)  
 230V 50Hz (Pin3 –Pin6) (Pins 4, 5 short)

#### Dual Secondary

In Series (Pin11 –Pin14) (Pins12, 13 short)  
 In Parallel (Pin11 –Pin14) (Pins11,13 short;Pins12,14 short)

## PHYSICAL CHARACTERISTICS

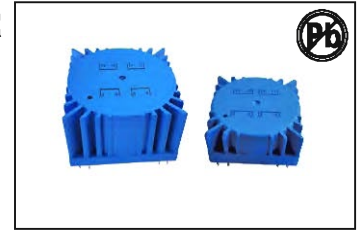
## TECHNICAL INFORMATION



- Primary: Dual primary (115V/230V 50/60Hz)
- Secondary: Series or parallel
- High ambient operating temperature: +60°C max
- Insulation Class: Class F (155°C)
- Dielectric Strength: 4000Vrms
- Operating temperature: -40°C to +120°C
- Storage temperature: -40°C to +105°C
- Blind center hole
- Unused pins are omitted for standard parts. Unused pins can be provided on request.

# PCB MOUNT TOROIDAL ENCAPSULATED TRANSFORMER

## 15W PETT SERIES



### FEATURES:

- Low profile; High efficiency
- Fully encapsulated; magnetically shielded
- Low standby current
- Safety approved-UL508,UL5085-1&2; UL6500/UL60065

### COMMON APPLICATIONS:

- Medical equipment
- Test equipment
- Media & high-end audio equipment
- Broadcast sound systems and other various devices

## ELECTRICAL CHARACTERISTICS (@ 25°C)

Part No.	Power VA	Series		Parallel	
		Output Voltage(V)	Output Current(mA)	Output Voltage(V)	Output Current(mA)
PETT150012	15.0	12	1250	6	2500
PETT150014	15.0	14	1071	7	2142
PETT150018	15.0	18	833	9	1666
PETT150024	15.0	24	625	12	1250
PETT150030	15.0	30	500	15	1000
PETT150036	15.0	36	417	18	834
PETT150044	15.0	44	341	22	682
PETT150048	15.0	48	312	24	624

#### Dual Primary

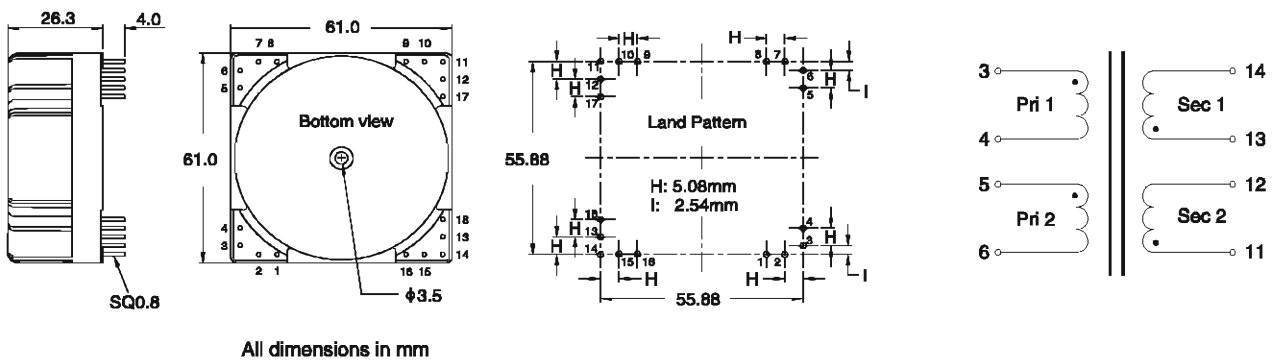
115V, 60Hz (Pin3 – Pin6) (Pins3, 5 short; Pins 4, 6 short)  
 230V 50Hz (Pin3 –Pin6) (Pins 4, 5 short)

#### Dual Secondary

In Series (Pin11 –Pin14) (Pins12, 13 short)  
 In Parallel (Pin11 –Pin14) (Pins11,13 short;Pins12,14 short)

## PHYSICAL CHARACTERISTICS

## TECHNICAL INFORMATION

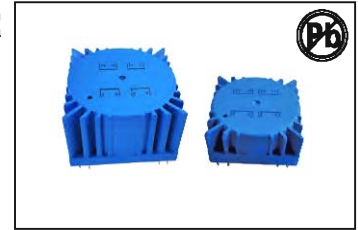


All dimensions in mm

- Primary: Dual primary (115V/230V 50/60Hz)
- Secondary: Series or parallel
- High ambient operating temperature: +60°C max
- Insulation Class: Class F (155°C)
- Dielectric Strength: 4000Vrms
- Operating temperature: -40°C to +120°C
- Storage temperature: -40°C to +105°C
- Blind center hole
- Unused pins are omitted for standard parts. Unused pins can be provided on request.

# PCB MOUNT TOROIDAL ENCAPSULATED TRANSFORMER

## 25W PETT SERIES



### FEATURES:

- Low profile; High efficiency
- Fully encapsulated; magnetically shielded
- Low standby current
- Safety approved-UL508,UL5085-1&2; UL6500/UL60065

### COMMON APPLICATIONS:

- Medical equipment
- Test equipment
- Media & high-end audio equipment
- Broadcast sound systems and other various devices

### ELECTRICAL CHARACTERISTICS (@ 25°C)

Part No.	Power VA	Series		Parallel	
		Output Voltage(V)	Output Current(mA)	Output Voltage(V)	Output Current(mA)
PETT250012	25.0	12	2083	6	4166
PETT250014	25.0	14	1785	7	3570
PETT250018	25.0	18	1377	9	2754
PETT250024	25.0	24	1041	12	2082
PETT250030	25.0	30	832	15	1664
PETT250036	25.0	36	694	18	1388
PETT250044	25.0	44	568	22	1136
PETT250048	25.0	48	520	24	1040

#### Dual Primary

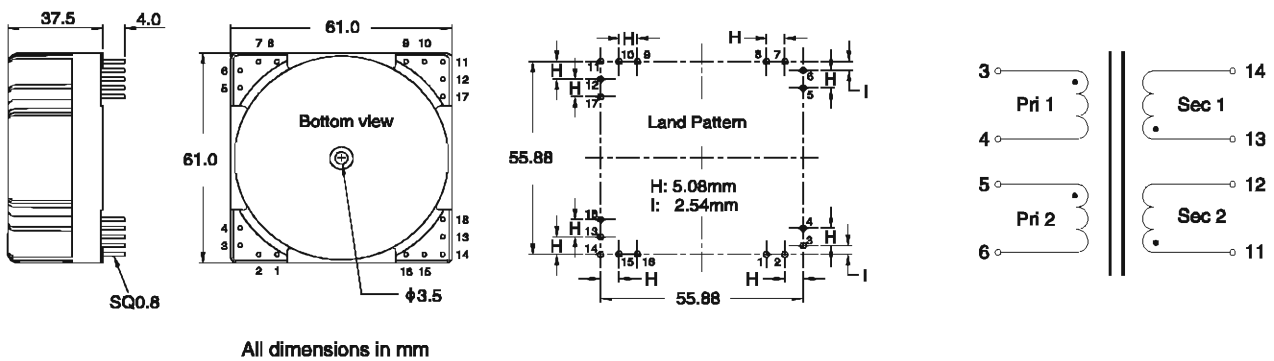
115V, 60Hz (Pin3 – Pin6) (Pins3, 5 short; Pins 4, 6 short)  
 230V 50Hz (Pin3 –Pin6) (Pins 4, 5 short)

#### Dual Secondary

In Series (Pin11 –Pin14) (Pins12, 13 short)  
 In Parallel (Pin11 –Pin14) (Pins11,13 short;Pins12,14 short)

### PHYSICAL CHARACTERISTICS

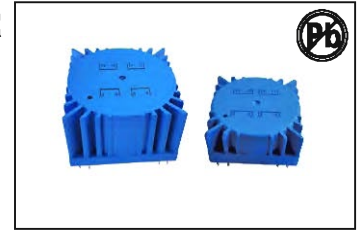
### TECHNICAL INFORMATION



- Primary: Dual primary (115V/230V 50/60Hz)
- Secondary: Series or parallel
- High ambient operating temperature: +60°C max
- Insulation Class: Class F (155°C)
- Dielectric Strength: 4000Vrms
- Operating temperature: -40°C to +120°C
- Storage temperature: -40°C to +105°C
- Blind center hole
- Unused pins are omitted for standard parts. Unused pins can be provided on request.

# PCB MOUNT TOROIDAL ENCAPSULATED TRANSFORMER

## 35W PETT SERIES



### FEATURES:

- Low profile; High efficiency
- Fully encapsulated; magnetically shielded
- Low standby current
- Safety approved-UL508,UL5085-1&2; UL6500/UL60065

### COMMON APPLICATIONS:

- Medical equipment
- Test equipment
- Media & high-end audio equipment
- Broadcast sound systems and other various devices

## ELECTRICAL CHARACTERISTICS (@ 25°C)

Part No.	Power VA	Series		Parallel	
		Output Voltage(V)	Output Current(mA)	Output Voltage(V)	Output Current(mA)
PETT350012	35.0	12	2916	6	5832
PETT350014	35.0	14	2500	7	5000
PETT350018	35.0	18	1944	9	3888
PETT350024	35.0	24	1458	12	2916
PETT350030	35.0	30	1167	15	2334
PETT350036	35.0	36	972	18	1944
PETT350044	35.0	44	795	22	1590
PETT350048	35.0	48	729	24	1458

#### Dual Primary

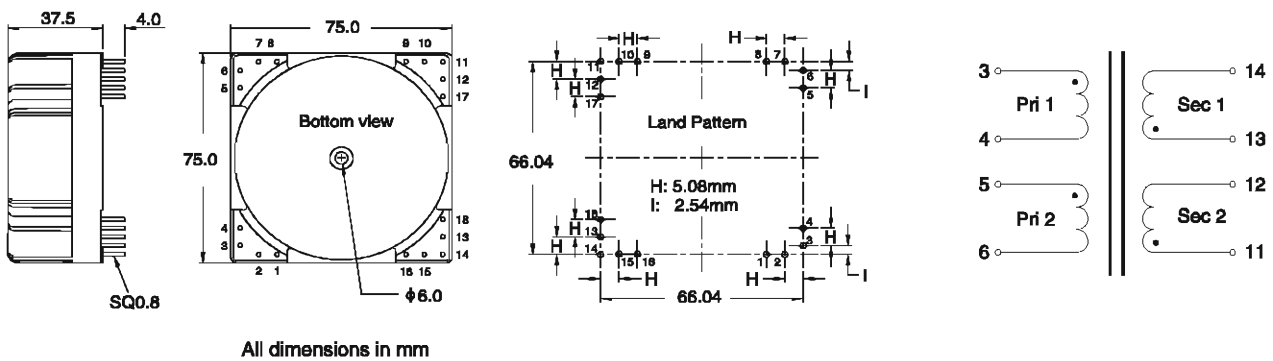
115V, 60Hz (Pin3 – Pin6) (Pins3, 5 short; Pins 4, 6 short)  
 230V 50Hz (Pin3 –Pin6) (Pins 4, 5 short)

#### Dual Secondary

In Series (Pin11 –Pin14) (Pins12, 13 short)  
 In Parallel (Pin11 –Pin14) (Pins11,13 short;Pins12,14 short)

## PHYSICAL CHARACTERISTICS

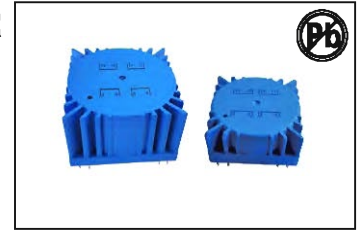
## TECHNICAL INFORMATION



- Primary: Dual primary (115V/230V 50/60Hz)
- Secondary: Series or parallel
- High ambient operating temperature: +60°C max
- Insulation Class: Class F (155°C)
- Dielectric Strength: 4000Vrms
- Operating temperature: -40°C to +120°C
- Storage temperature: -40°C to +105°C
- Through center hole
- Unused pins are omitted for standard parts. Unused pins can be provided on request.

# PCB MOUNT TOROIDAL ENCAPSULATED TRANSFORMER

## 50W PETT SERIES



### FEATURES:

- Low profile; High efficiency
- Fully encapsulated; magnetically shielded
- Low standby current
- Safety approved-UL508,UL5085-1&2; UL6500/UL60065

### COMMON APPLICATIONS:

- Medical equipment
- Test equipment
- Media & high-end audio equipment
- Broadcast sound systems and other various devices

## ELECTRICAL CHARACTERISTICS (@ 25°C)

Part No.	Power VA	Series		Parallel	
		Output Voltage(V)	Output Current(mA)	Output Voltage(V)	Output Current(mA)
PETT500012	50.0	12	4166	6	8332
PETT500014	50.0	14	3571	7	7142
PETT500018	50.0	18	2777	9	5554
PETT500024	50.0	24	2083	12	4166
PETT500030	50.0	30	1666	15	3332
PETT500036	50.0	36	1388	18	2776
PETT500044	50.0	44	1136	22	2272
PETT500048	50.0	48	1041	24	2082

#### Dual Primary

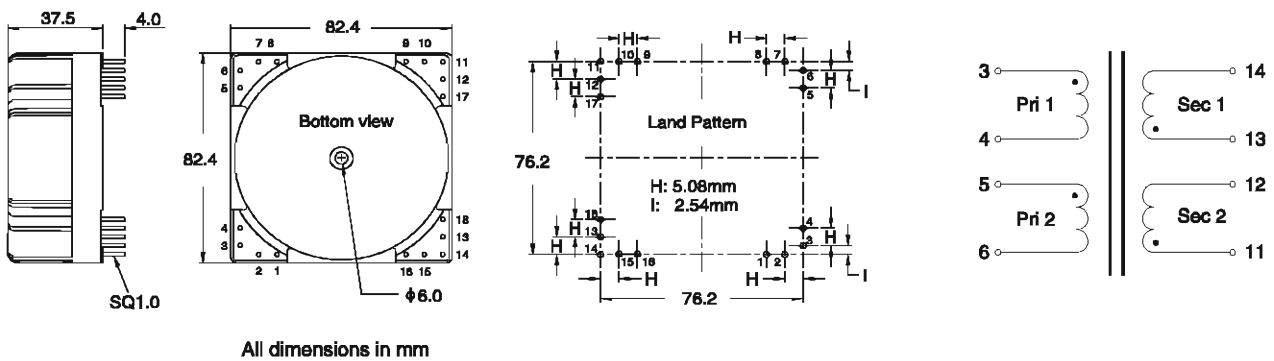
115V, 60Hz (Pin3 – Pin6) (Pins3, 5 short; Pins 4, 6 short)  
 230V 50Hz (Pin3 –Pin6) (Pins 4, 5 short)

#### Dual Secondary

In Series (Pin11 –Pin14) (Pins12, 13 short)  
 In Parallel (Pin11 –Pin14) (Pins11,13 short;Pins12,14 short)

## PHYSICAL CHARACTERISTICS

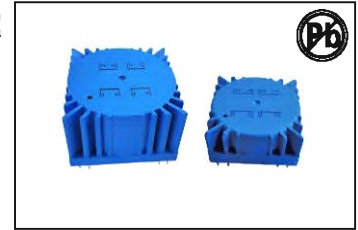
## TECHNICAL INFORMATION



- Primary: Dual primary (115V/230V 50/60Hz)
- Secondary: Series or parallel
- High ambient operating temperature: +60°C max
- Insulation Class: Class F (155°C)
- Dielectric Strength: 4000Vrms
- Operating temperature: -40°C to +120°C
- Storage temperature: -40°C to +105°C
- Through center hole
- Unused pins are omitted for standard parts. Unused pins can be provided on request.

# PCB MOUNT TOROIDAL ENCAPSULATED TRANSFORMER

## 65W PETT SERIES



### FEATURES:

- Low profile; High efficiency
- Fully encapsulated; magnetically shielded
- Low standby current
- Safety approved-UL508,UL5085-1&2; UL6500/UL60065

### COMMON APPLICATIONS:

- Medical equipment
- Test equipment
- Media & high-end audio equipment
- Broadcast sound systems and other various devices

## ELECTRICAL CHARACTERISTICS (@ 25°C)

Part No.	Power VA	Series		Parallel	
		Output Voltage(V)	Output Current(mA)	Output Voltage(V)	Output Current(mA)
PETT650012	65.0	12	5416	6	10832
PETT650014	65.0	14	4642	7	9284
PETT650018	65.0	18	3611	9	7222
PETT650024	65.0	24	2708	12	5416
PETT650030	65.0	30	2116	15	4322
PETT650036	65.0	36	1085	18	3610
PETT650044	65.0	44	1477	22	2954
PETT650048	65.0	48	1354	24	2708

#### Dual Primary

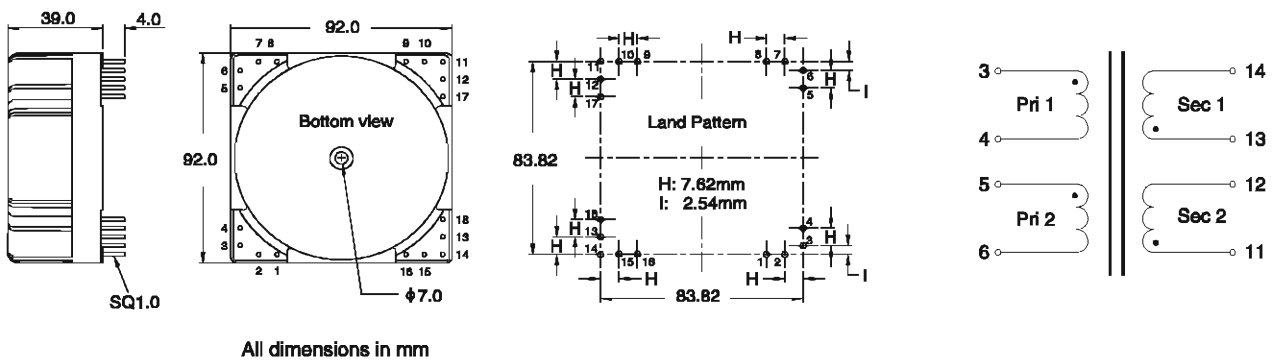
115V, 60Hz (Pin3 – Pin6) (Pins3, 5 short; Pins 4, 6 short)  
 230V 50Hz (Pin3 –Pin6) (Pins 4, 5 short)

#### Dual Secondary

In Series (Pin11 –Pin14) (Pins12, 13 short)  
 In Parallel (Pin11 –Pin14) (Pins11,13 short;Pins12,14 short)

## PHYSICAL CHARACTERISTICS

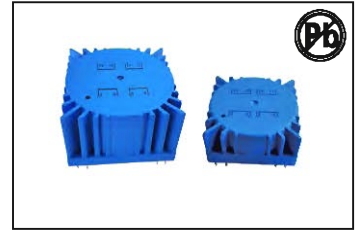
## TECHNICAL INFORMATION



- Primary: Dual primary (115V/230V 50/60Hz)
- Secondary: Series or parallel
- High ambient operating temperature: +60°C max
- Insulation Class: Class F (155°C)
- Dielectric Strength: 4000Vrms
- Operating temperature: -40°C to +120°C
- Storage temperature: -40°C to +105°C
- Through center hole
- Unused pins are omitted for standard parts. Unused pins can be provided on request.

# PCB MOUNT TOROIDAL ENCAPSULATED TRANSFORMER

## 85W PETT SERIES



### FEATURES:

- Low profile; High efficiency
- Fully encapsulated; magnetically shielded
- Low standby current
- Safety approved-UL508,UL5085-1&2; UL6500/UL60065

### COMMON APPLICATIONS:

- Medical equipment
- Test equipment
- Media & high-end audio equipment
- Broadcast sound systems and other various devices

## ELECTRICAL CHARACTERISTICS (@ 25°C)

Part No.	Power VA	Series		Parallel	
		Output Voltage(V)	Output Current(mA)	Output Voltage(V)	Output Current(mA)
PETT850012	85.0	12	7083	6	14166
PETT850014	85.0	14	6071	7	12142
PETT850018	85.0	18	4722	9	9444
PETT850024	85.0	24	3541	12	7082
PETT850030	85.0	30	2833	15	5666
PETT850036	85.0	36	2361	18	4722
PETT850044	85.0	44	1931	22	3862
PETT850048	85.0	48	1770	24	3540

#### Dual Primary

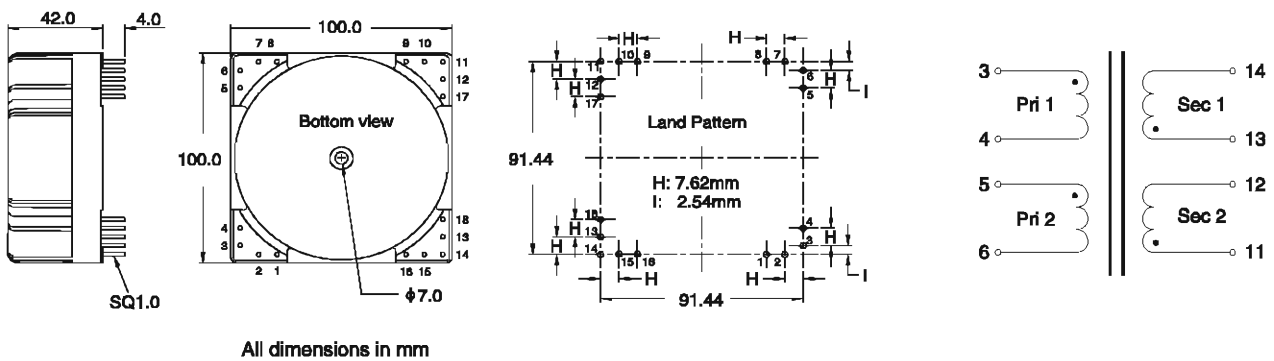
115V, 60Hz (Pin3 – Pin6) (Pins3, 5 short; Pins 4, 6 short)  
 230V 50Hz (Pin3 –Pin6) (Pins 4, 5 short)

#### Dual Secondary

In Series (Pin11 –Pin14) (Pins12, 13 short)  
 In Parallel (Pin11 –Pin14) (Pins11,13 short;Pins12,14 short)

## PHYSICAL CHARACTERISTICS

## TECHNICAL INFORMATION



- Primary: Dual primary (115V/230V 50/60Hz)
- Secondary: Series or parallel
- High ambient operating temperature: +60°C max
- Insulation Class: Class F (155°C)
- Dielectric Strength: 4000Vrms
- Operating temperature: -40°C to +120°C
- Storage temperature: -40°C to +105°C
- Through center hole
- Unused pins are omitted for standard parts. Unused pins can be provided on request.

# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE

## 1W UI 21 SERIES



### FEATURES:

- 115V–230V supply voltage by serie/parallel connection
- Vacuum filling
- One compartment housing
- Degree of protection IP 00
- 50 grams weight

### OPTIONS:

- Bulk packaging is standard
- Custom design available

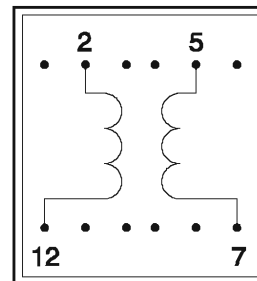
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

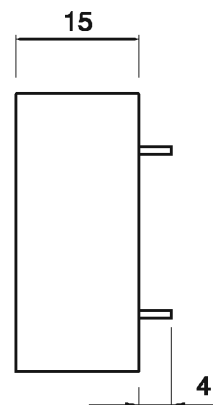
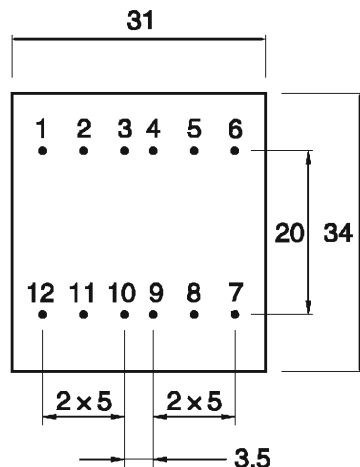
## ELECTRICAL CHARACTERISTICS TECHNICAL INFORMATION

PRIMARY VOLTAGE: 230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 2101	6	167	11.4	T70B
UI 2102	9	111	17	T70B
UI 2103	12	83	22.8	T70B
UI 2104	15	67	28.5	T70B
UI 2105	18	56	34.2	T70B
UI 2106	24	42	45.6	T70B

- Resin UL 94 VO
- Design protection against short-circuits
- Insulation voltage 4 KV
- 100% tested production



## PHYSICAL CHARACTERISTICS



All dimensions in mm



# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE 3W 30 x 5.5-UI 3005 SERIES

## FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

## OPTIONS:

- Bulk packaging is standard
- Custom design available

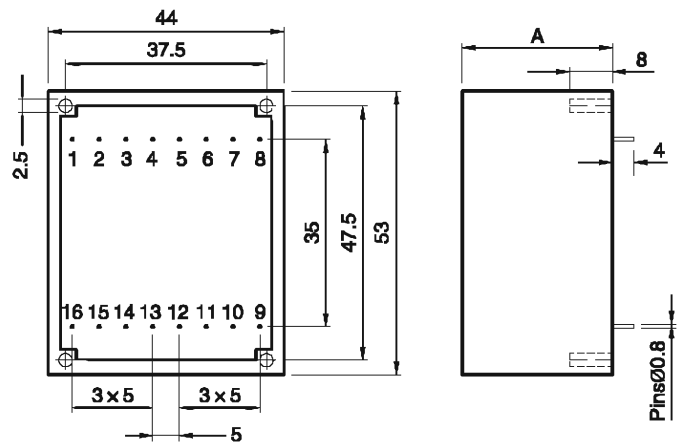
## COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 300513	2 x 6	2 x 250	2 x 9.8	T70B
UI 300514	2 x 9	2 x 167	2 x 14.7	T70B
UI 300515	2 x 12	2 x 125	2 x 19.6	T70B
UI 300516	2 x 15	2 x 100	2 x 24.5	T70B
UI 300517	2 x 18	2 x 83	2 x 29.5	T70B
UI 300518	2 x 24	2 x 63	2 x 39.3	T70B

## PHYSICAL CHARACTERISTICS



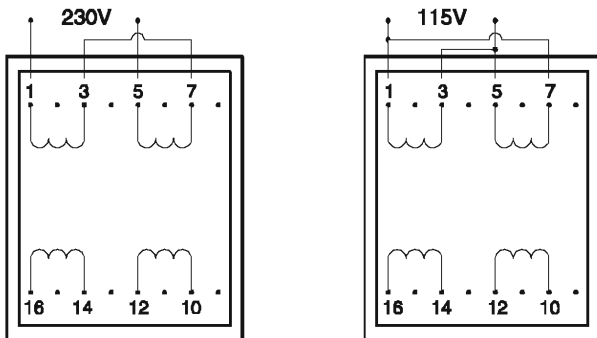
All dimensions in mm

## TECHNICAL INFORMATION

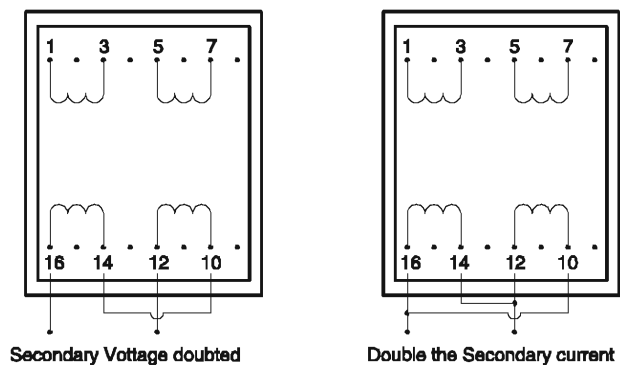
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI30 x 5.5	2VA/3VA	A=17mm	125
UI30 x 7.5	4VA	A=19mm	150
UI30 x 10.5	6VA	A=22mm	185
UI30 x 16.5	10VA	A=28mm	260

Possible primary connections



Possible secondary connections



# 50/60HZ PCB MOUNT TRANSFORMERS - UI RANGE

## 4W 30 × 5.5-UI 3005 SERIES



### FEATURES:

- 115 V-230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

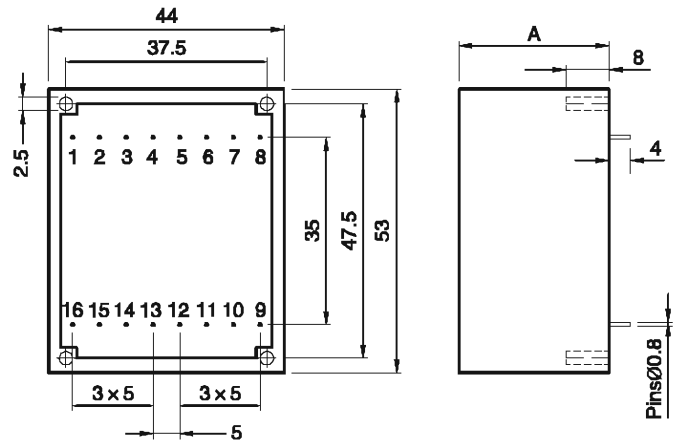
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 300519	2 × 6	2 × 333	2 × 9.4	T70B
UI 300520	2 × 9	2 × 222	2 × 14.0	T70B
UI 300521	2 × 12	2 × 167	2 × 18.6	T70B
UI 300522	2 × 15	2 × 133	2 × 23.3	T70B
UI 300523	2 × 18	2 × 111	2 × 28.0	T70B
UI 300524	2 × 24	2 × 83	2 × 37.4	T70B

## PHYSICAL CHARACTERISTICS



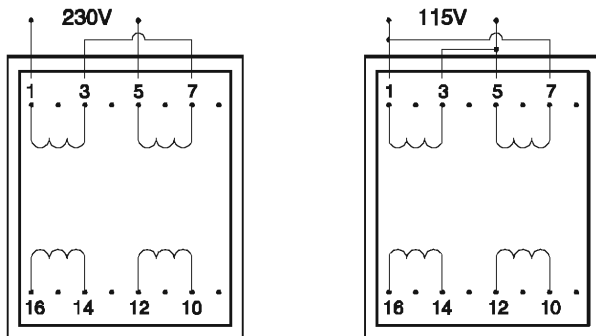
All dimensions in mm

## TECHNICAL INFORMATION

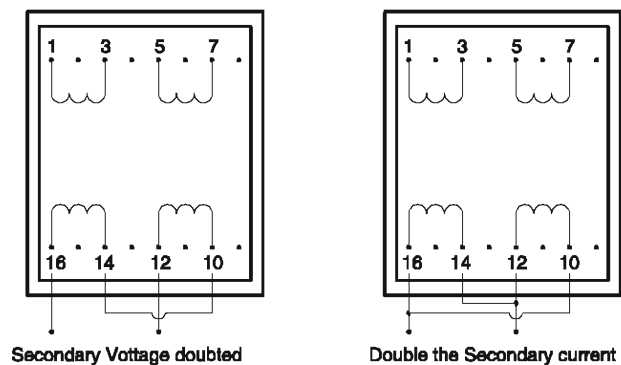
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI30 × 5.5	2VA/3VA	A=17mm	125
UI30 × 7.5	4VA	A=19mm	150
UI30 × 10.5	6VA	A=22mm	185
UI30 × 16.5	10VA	A=28mm	260

### Possible primary connections



### Possible secondary connections





# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE 6W 30 × 10.5–UI 3010 SERIES

## FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

## OPTIONS:

- Bulk packaging is standard
- Custom design available

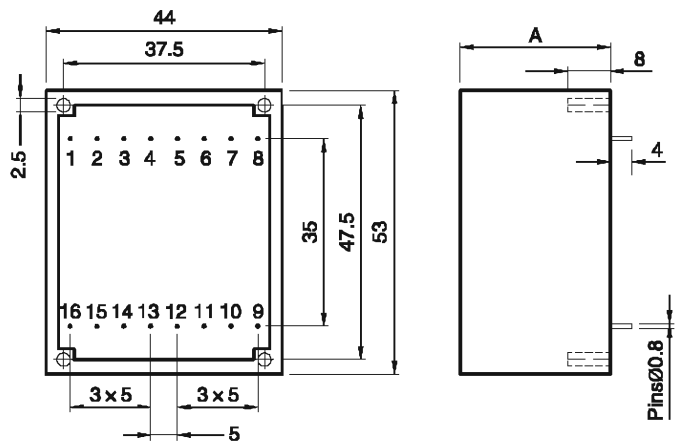
## COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 301025	2 × 6	2 × 500	2 × 8.1	T70B
UI 301026	2 × 9	2 × 333	2 × 12.1	T70B
UI 301027	2 × 12	2 × 250	2 × 16.2	T70B
UI 301028	2 × 15	2 × 200	2 × 20.2	T70B
UI 301029	2 × 18	2 × 167	2 × 24.3	T70B
UI 301030	2 × 24	2 × 125	2 × 32.3	T70B

## PHYSICAL CHARACTERISTICS



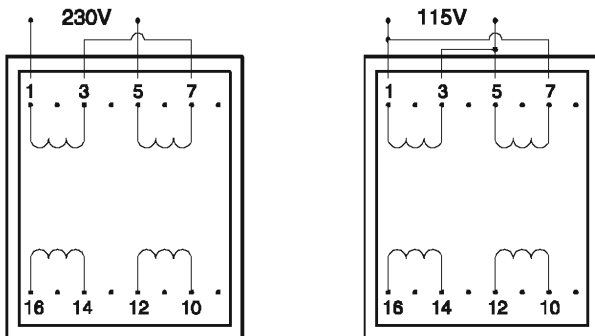
All dimensions in mm

## TECHNICAL INFORMATION

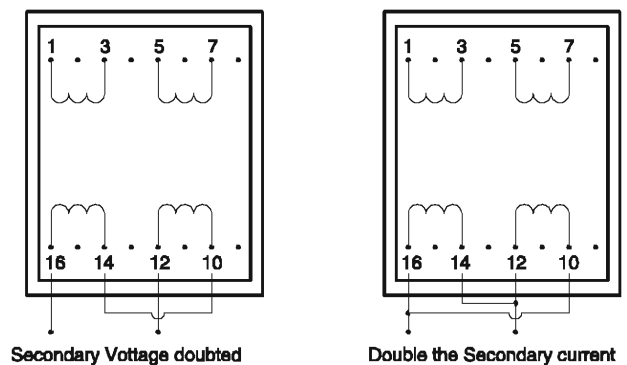
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI30 × 5.5	2VA/3VA	A=17mm	125
UI30 × 7.5	4VA	A=19mm	150
UI30 × 10.5	6VA	A=22mm	185
UI30 × 16.5	10VA	A=28mm	260

Possible primary connections



Possible secondary connections



# 50/60HZ PCB MOUNT TRANSFORMERS - UI RANGE

## 10W 30 x 16.5-UI 3016 SERIES



### FEATURES:

- 115 V-230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

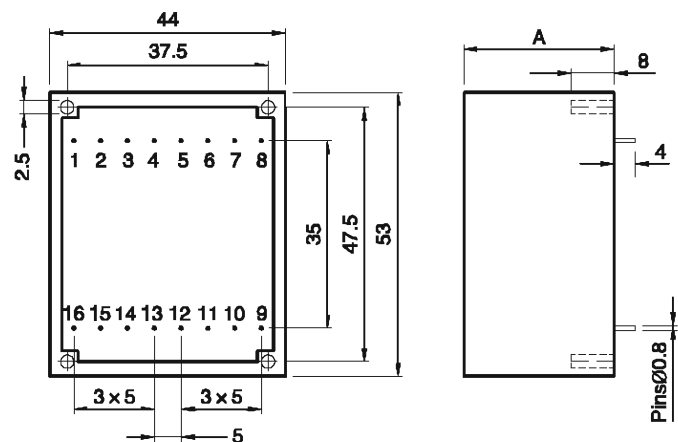
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

### ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115-230				
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C
UI 301631	2 x 6	2 x 833	2 x 7.9	T50B
UI 301632	2 x 9	2 x 556	2 x 11.9	T50B
UI 301633	2 x 12	2 x 417	2 x 15.9	T50B
UI 301634	2 x 15	2 x 333	2 x 19.8	T50B
UI 301635	2 x 18	2 x 278	2 x 23.7	T50B
UI 301636	2 x 24	2 x 208	2 x 31.7	T50B

### PHYSICAL CHARACTERISTICS



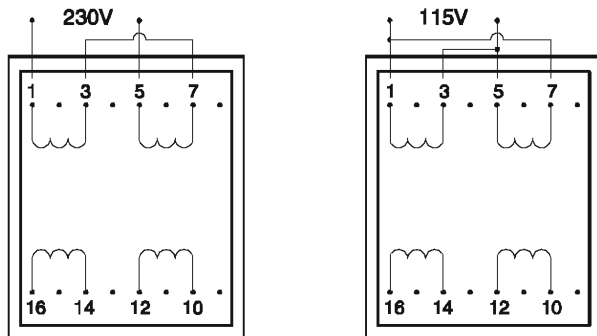
All dimensions in mm

### TECHNICAL INFORMATION

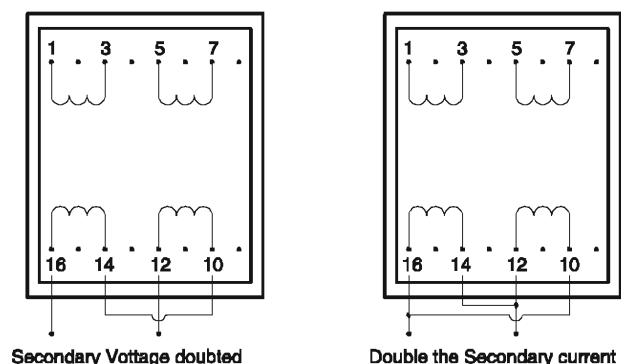
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

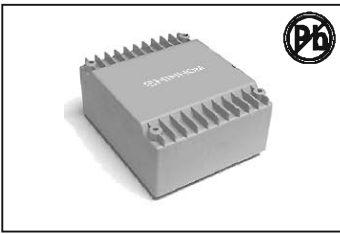
CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI30 x 5.5	2VA/3VA	A=17mm	125
UI30 x 7.5	4VA	A=19mm	150
UI30 x 10.5	6VA	A=22mm	185
UI30 x 16.5	10VA	A=28mm	260

#### Possible primary connections



#### Possible secondary connections





# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE

## 14W 39 × 10.2–UI 3910 SERIES

### FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

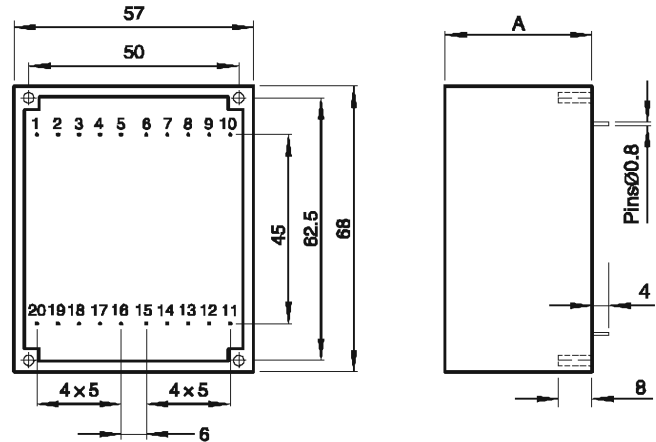
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115-230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 391043	2 × 6	2 × 1167	2 × 7.5	T50B
UI 391044	2 × 9	2 × 778	2 × 10.9	T50B
UI 391045	2 × 12	2 × 583	2 × 15.0	T50B
UI 391046	2 × 15	2 × 467	2 × 18.7	T50B
UI 391047	2 × 18	2 × 389	2 × 22.4	T50B
UI 391048	2 × 24	2 × 292	2 × 30.2	T50B

## PHYSICAL CHARACTERISTICS



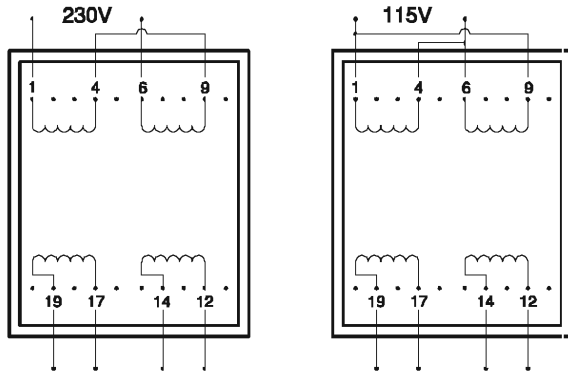
All dimensions in mm

## TECHNICAL INFORMATION

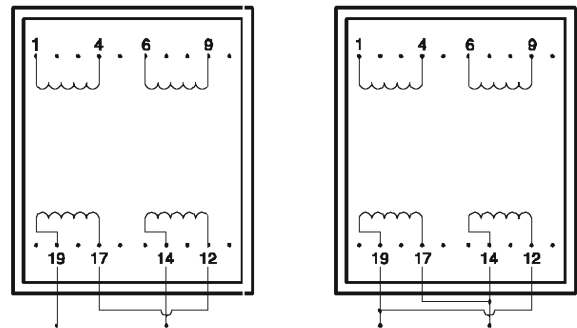
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI39 × 8	10VA	A=22mm	285
UI39 × 10.2	14VA	A=24mm	335
UI39 × 13.5	18VA	A=27mm	405
UI39 × 17	24VA	A=31mm	260
UI39 × 21	30VA	A=35mm	550

Possible primary connections



Possible secondary connections

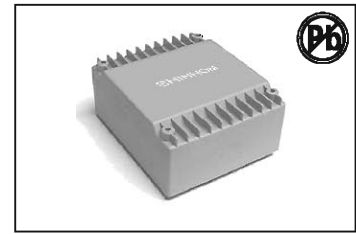


Secondary Voltage doubtred

Double the Secondary current

# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE

## 18W 39 × 13.5–UI 3913 SERIES



### FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

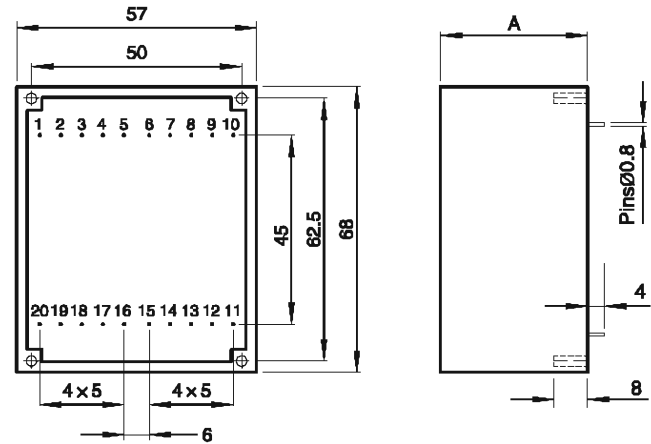
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

### ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115–230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 391349	2 × 6	2 × 1500	2 × 7.4	T50B
UI 391350	2 × 9	2 × 1000	2 × 11.0	T50B
UI 391351	2 × 12	2 × 750	2 × 14.7	T50B
UI 391352	2 × 15	2 × 600	2 × 18.3	T50B
UI 391353	2 × 18	2 × 500	2 × 22.0	T50B
UI 391354	2 × 24	2 × 375	2 × 29.4	T50B

### PHYSICAL CHARACTERISTICS



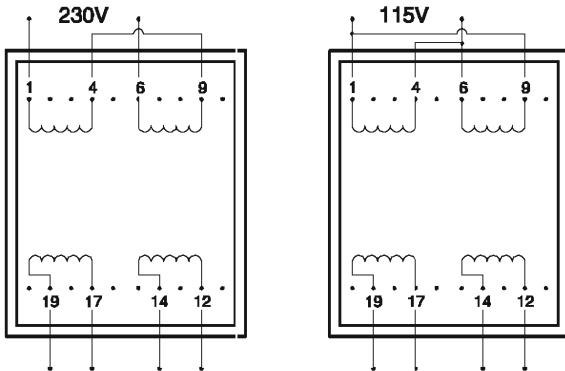
All dimensions in mm

### TECHNICAL INFORMATION

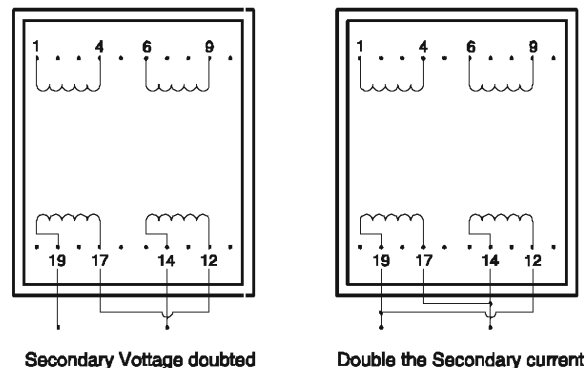
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

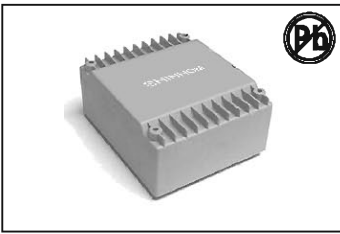
CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI39 × 8	10VA	A=22mm	285
UI39 × 10.2	14VA	A=24mm	335
UI39 × 13.5	18VA	A=27mm	405
UI39 × 17	24VA	A=31mm	260
UI39 × 21	30VA	A=35mm	550

#### Possible primary connections



#### Possible secondary connections





# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE

## 24W 39 × 17–UI 3917 SERIES

### FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

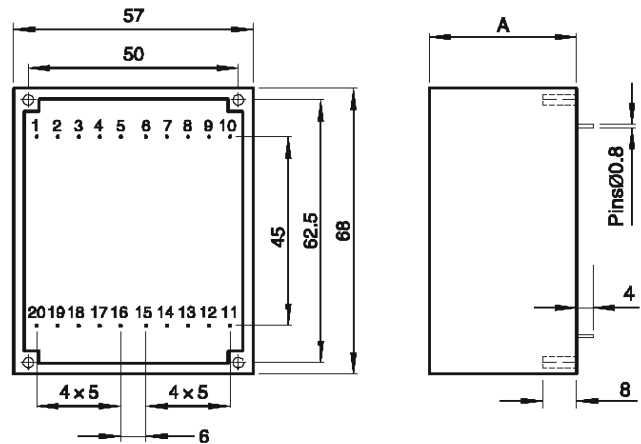
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

### ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115-230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 391755	2 × 6	2 × 2000	2 × 7.1	T50B
UI 391756	2 × 9	2 × 1333	2 × 10.6	T50B
UI 391757	2 × 12	2 × 1000	2 × 14.1	T50B
UI 391758	2 × 15	2 × 800	2 × 17.6	T50B
UI 391759	2 × 18	2 × 667	2 × 21.2	T50B
UI 391760	2 × 24	2 × 500	2 × 28.3	T50B

### PHYSICAL CHARACTERISTICS



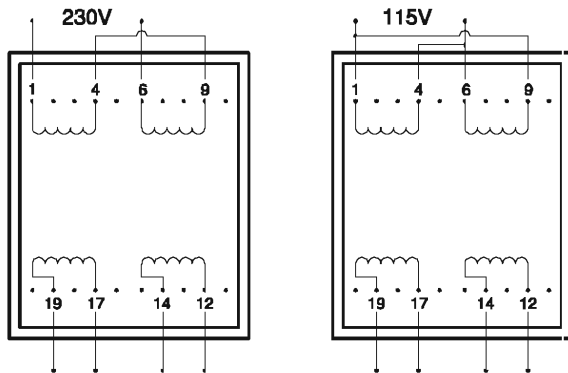
All dimensions in mm

### TECHNICAL INFORMATION

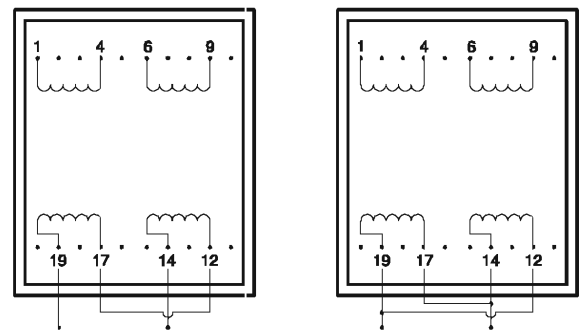
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV
- 100% tested production
- Conform to EN 61558 Approval under process

CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI39 × 8	10VA	A=22mm	285
UI39 × 10.2	14VA	A=24mm	335
UI39 × 13.5	18VA	A=27mm	405
UI39 × 17	24VA	A=31mm	260
UI39 × 21	30VA	A=35mm	550

#### Possible primary connections

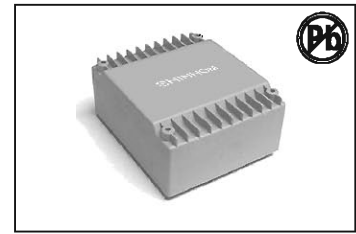


#### Possible secondary connections



# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE

## 30W 39 × 21–UI 3921 SERIES



### FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

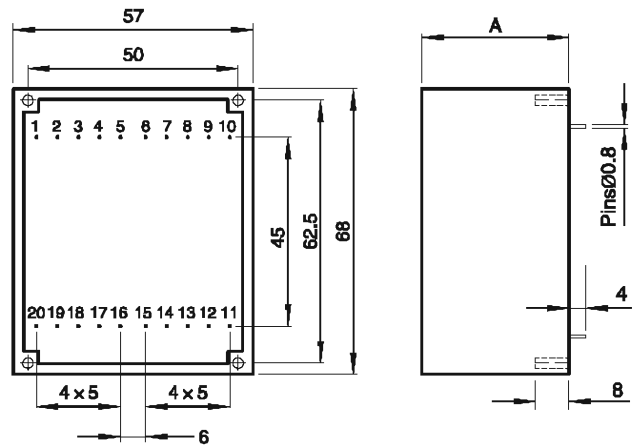
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

### ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115-230				
Part Number	Secondary voltage V	Secondary Current m A	No-load voltage V	Ambient Temperature °C
UI 392161	2 × 6	2 × 2500	2 × 6.7	T50B
UI 392162	2 × 9	2 × 1667	2 × 10.15	T50B
UI 392163	2 × 12	2 × 1250	2 × 13.5	T50B
UI 392164	2 × 15	2 × 1000	2 × 16.8	T50B
UI 392165	2 × 18	2 × 883	2 × 20.2	T50B
UI 392166	2 × 24	2 × 625	2 × 27.0	T50B

### PHYSICAL CHARACTERISTICS



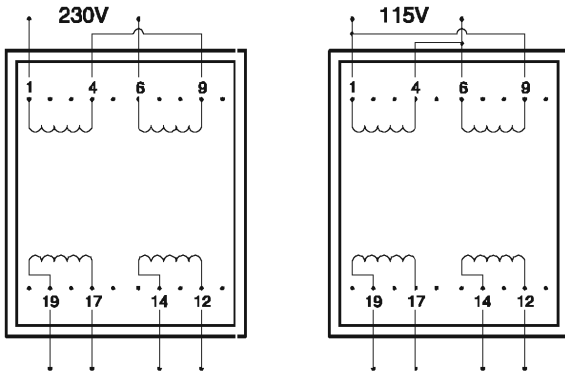
All dimensions in mm

### TECHNICAL INFORMATION

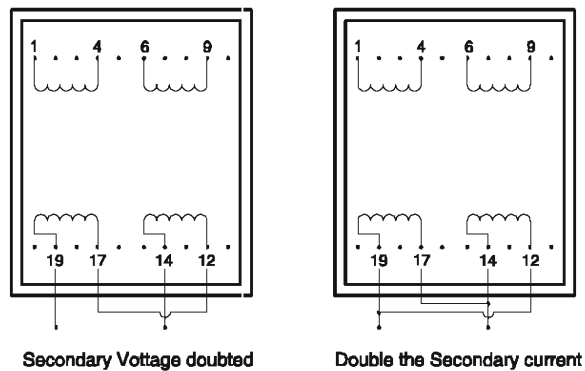
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- Insulation voltage 4 KV (6 KV MYRRA test)
- 100% tested production
- Conform to EN 61558 Approval under process

CIRCUIT	RATING	DIMENSION:A	WEIGHT(g)
UI39 × 8	10VA	A=22mm	285
UI39 × 10.2	14VA	A=24mm	335
UI39 × 13.5	18VA	A=27mm	405
UI39 × 17	24VA	A=31mm	260
UI39 × 21	30VA	A=35mm	550

#### Possible primary connections



#### Possible secondary connections





# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE

## 40W 48 × 17–UI 4817 SERIES

### FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

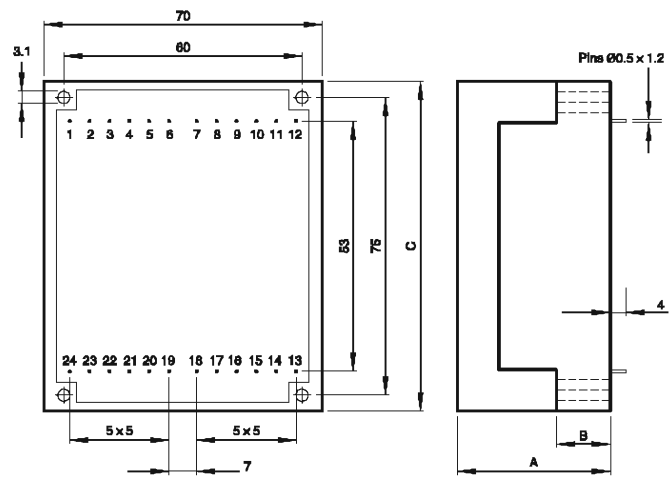
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115–230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 481767	2 × 6	2 × 3300	2 × 6.7	T50B
UI 481768	2 × 9	2 × 2222	2 × 10.0	T50B
UI 481769	2 × 12	2 × 1667	2 × 13.4	T50B
UI 481770	2 × 15	2 × 1333	2 × 16.7	T50B
UI 481771	2 × 18	2 × 1111	2 × 20.1	T50B
UI 481772	2 × 24	2 × 833	2 × 26.8	T50B

## PHYSICAL CHARACTERISTICS



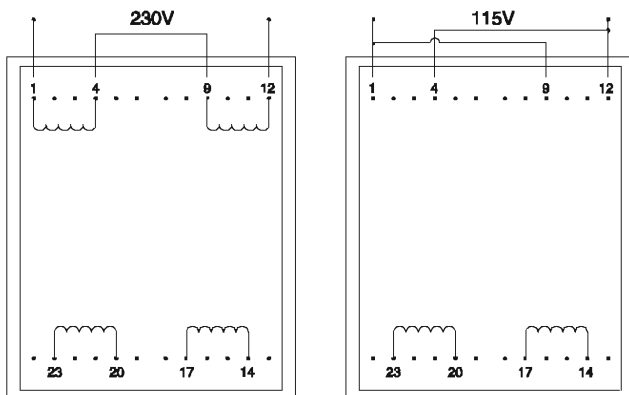
All dimensions in mm

## TECHNICAL INFORMATION

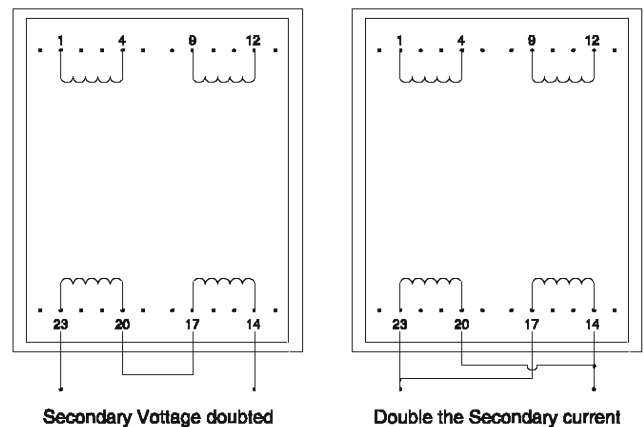
- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- 100% tested production
- Conform to EN 61558 Approval under process
- UL 506 approved

CIRCUIT	RATING	A	B	C	WEIGHT(g)
UI39 × 8	10VA	38.5	13.5	83	285
UI39 × 10.2	14VA	48.5	14.5	86	335

Possible primary connections



Possible secondary connections



# 50/60HZ PCB MOUNT TRANSFORMERS – UI RANGE

## 60W 48 x 26–UI 4826 SERIES



### FEATURES:

- 115 V–230 V supply voltage by serie/parallel connection
- Vacuum filling
- Two compartments bobbins
- Degree of protection IP 00

### OPTIONS:

- Bulk packaging is standard
- Custom design available

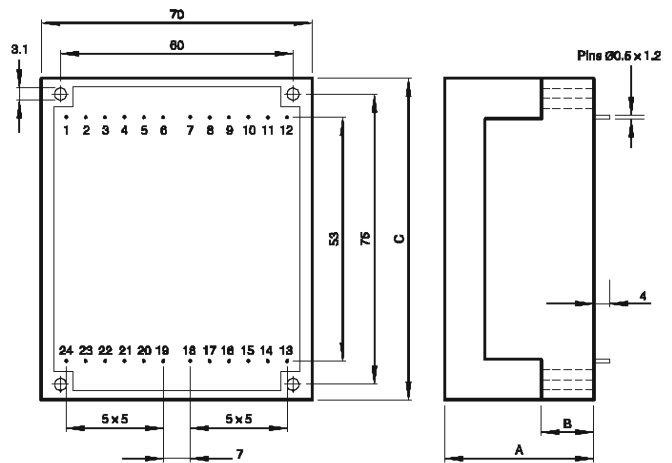
### COMMON APPLICATIONS:

- Medical equipments
- Industrial equipments
- Industrial controls
- Test equipment
- Industrial computers
- Avionics & telecom

## ELECTRICAL CHARACTERISTICS

PRIMARY VOLTAGE: 115~230				
Part Number	Secondary voltage V	Secondary Current mA	No-load voltage V	Ambient Temperature °C
UI 482673	2 x 6	2 x 5000	2 x 6.6	T50B
UI 482674	2 x 9	2 x 3333	2 x 9.9	T50B
UI 482675	2 x 12	2 x 2500	2 x 13.1	T50B
UI 482676	2 x 15	2 x 2000	2 x 16.4	T50B
UI 482677	2 x 18	2 x 1667	2 x 19.7	T50B
UI 482678	2 x 24	2 x 1250	2 x 26.3	T50B

## PHYSICAL CHARACTERISTICS



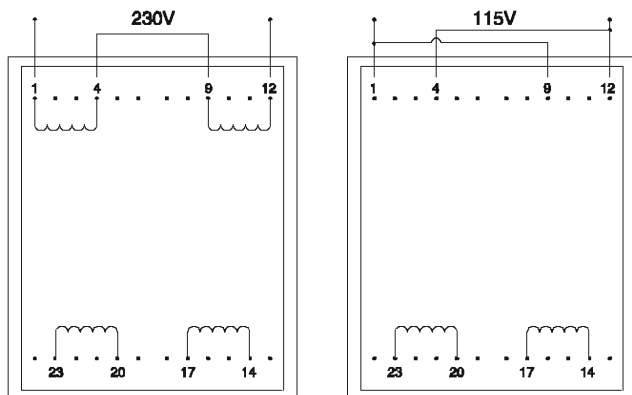
All dimensions in mm

## TECHNICAL INFORMATION

- Resin class UL 94 VO
- Fuse protection in secondary winding (see diagram)
- 100% tested production
- Conform to EN 61558 Approval under process
- UL 506 approved

CIRCUIT	RATING	A	B	C	WEIGHT(g)
UI39 x 8	10VA	38.5	13.5	83	285
UI39 x 10.2	14VA	48.5	14.5	86	335

### Possible primary connections



### Possible secondary connections

