

Transformers

Prices see shop.griederbauteile.ch/en

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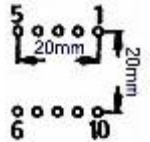
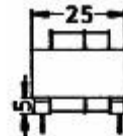
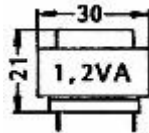
PCB Mount Transformer

With one or two galvanically isolated secondary windings



1.2VA PCB Transformer

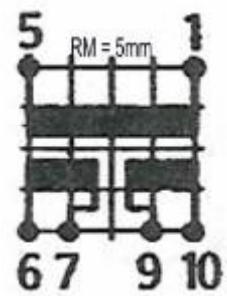
Weight approx: 70g



Order No	Secondary Voltage	Secondary Current
TUP.1W6	6V	200mA
TUP.1W7	7.5V	160mA
TUP.1W9	9.5V	125mA
TUP.1W12	12V	100mA
TUP.1W15	15V	80mA
TUP.1W18	18V	65mA
TUP.1W21	21V	55mA
TUP.1W24	24V	50mA

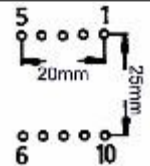
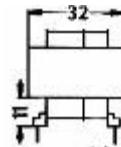
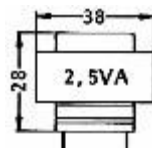


Order No	Secondary Voltage	Secondary Current
TUP.1W77	2x 7.5V	2x 80mA
TUP.1W99	2x 9.5V	2x 62mA
TUP.1W1212	2x 12V	2x 50mA
TUP.1W1515	2x 15V	2x 40mA
TUP.1W1818	2x 18V	2x 32mA
TUP.1W2121	2x 21V	2x 27mA
TUP.1W2424	2x 24V	2x 25mA

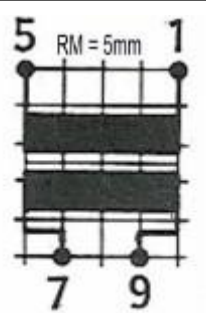


2.5VA PCB Transformer

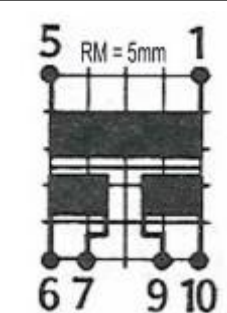
Weight approx: 130g



Order No	Secondary Voltage	Secondary Current
TUP.2W6	6V	410mA
TUP.2W7	7.5V	330mA
TUP.2W9	9.5V	260mA
TUP.2W12	12V	205mA
TUP.2W15	15V	165mA
TUP.2W18	18V	135mA
TUP.2W21	21V	205mA
TUP.2W24	24V	100mA

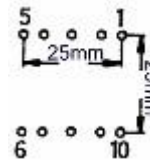
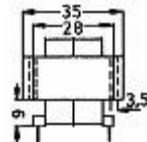
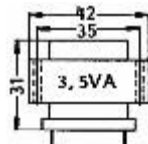


Order No	Secondary Voltage	Secondary Current
TUP.2W66	2x 6V	2x 205mA
TUP.2W77	2x 7.5V	2x 165mA
TUP.2W99	2x 9.5V	2x 130mA
TUP.2W1212	2x 12V	2x 100mA
TUP.2W1515	2x 15V	2x 80mA
TUP.2W2121	2x 21V	2x 55mA
TUP.2W2424	2x 24V	2x 50mA

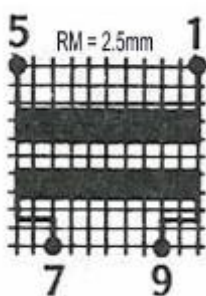


3.5VA PCB Transformer

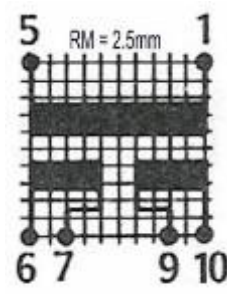
Weight approx: 165g



Order No	Secondary Voltage	Secondary Current
TUP.3W6	6V	580mA
TUP.3W7	7.5V	465mA
TUP.3W9	9.5V	365mA
TUP.3W12	12V	290mA
TUP.3W15	15V	230mA
TUP.3W18	18V	190mA
TUP.3W21	21V	165mA
TUP.3W24	24V	145mA
TUP.3W024	24V 3VA	125mA



Order No	Secondary Voltage	Secondary Current
TUP.3W66	2x 6V	2x 290mA
TUP.3W77	2x 7.5V	2x 230mA
TUP.3W99	2x 9.5V	2x 180mA
TUP.3W1212	2x 12V	2x 145mA
TUP.3W1515	2x 15V	2x 115mA
TUP.3W1818	2x 18V	2x 95mA
TUP.3W2121	2x 21V	2x 80mA
TUP.3W2424	2x 24V	2x 70mA



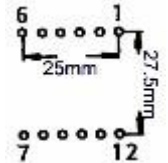
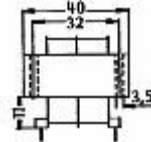
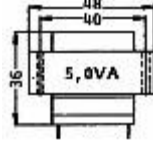
PCB Mount Transformer (Continuation)

With one or two galvanically isolated secondary windings

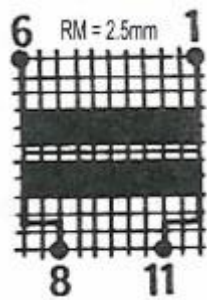


5VA PCB Transformer

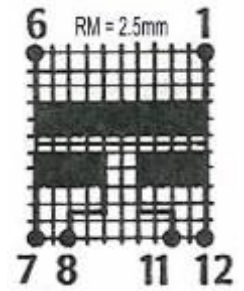
Weight approx: 250g



Order No	Secondary Voltage	Secondary Current
TUP.5W6	6V	830mA
TUP.5W7	7.5V	660mA
TUP.5W9	9.5V	520mA
TUP.5W12	12V	410mA
TUP.5W15	15V	330mA
TUP.5W18	18V	270mA
TUP.5W21	21V	230mA
TUP.5W24	24V	205mA
TUP.5W15-115	15V 115VAC	

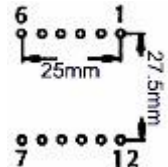
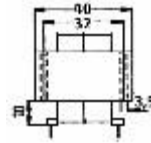
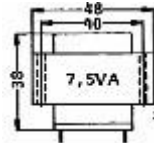


Order No	Secondary Voltage	Secondary Current
TUP.5W66	2x 6V	2x 410mA
TUP.5W77	2x 7.5V	2x 330mA
TUP.5W99	2x 9.5V	2x 260mA
TUP.5W1212	2x 12V	2x 205mA
TUP.5W1515	2x 15V	2x 160mA
TUP.5W1818	2x 18V	2x 130mA
TUP.5W2121	2x 21V	2x 110mA
TUP.5W2424	2x 24V	2x 100mA

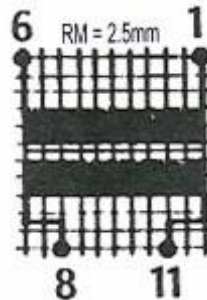


7.5VA PCB Transformer

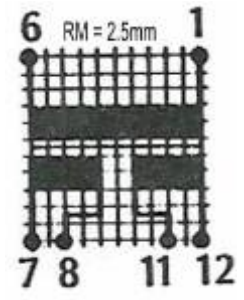
Weight approx: 360g



Order No	Secondary Voltage	Secondary Current
TUP.7W6	6V	1.25A
TUP.7W7	7.5V	1A
TUP.7W9	9.5V	780mA
TUP.7W12	12V	620mA
TUP.7W15	15V	500mA
TUP.7W18	18V	410mA
TUP.7W21	21V	350mA
TUP.7W24	24V	310mA

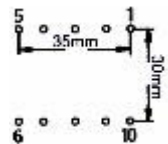
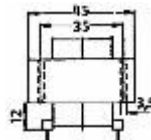
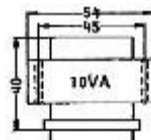


Order No	Secondary Voltage	Secondary Current
TUP.7W66	2x 6V	2x 620mA
TUP.7W77	2x 7.5V	2x 500mA
TUP.7W99	2x 9.5V	2x 390mA
TUP.7W1212	2x 12V	2x 310mA
TUP.7W1515	2x 15V	2x 250mA
TUP.7W1818	2x 18V	2x 205mA
TUP.7W2121	2x 21V	2x 175mA
TUP.7W2424	2x 24V	2x 155mA

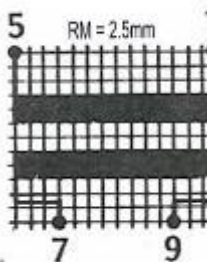


10VA PCB Transformer

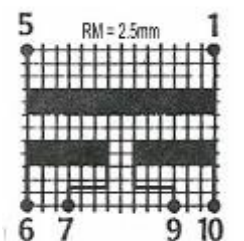
Weight approx: 360g



Order No	Secondary Voltage	Secondary Current
TUP.10W6	6V	1.66A
TUP.10W7	7.5V	1.33A
TUP.10W9	9.5V	1.05A
TUP.10W12	12V	830mA
TUP.10W15	15V	660mA
TUP.10W18	18V	550mA
TUP.10W21	21V	470mA
TUP.10W24	24V	410mA



Order No	Secondary Voltage	Secondary Current
TUP.10W66	2x 6V	2x 830mA
TUP.10W77	2x 7.5V	2x 660mA
TUP.10W99	2x 9.5V	2x 520mA
TUP.10W1212	2x 12V	2x 410mA
TUP.10W1515	2x 15V	2x 330mA
TUP.10W1818	2x 18V	2x 270mA
TUP.10W2121	2x 21V	2x 230mA
TUP.10W2424	2x 24V	2x 200mA



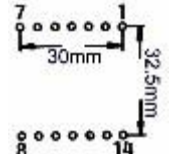
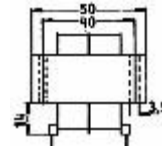
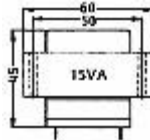
PCB Mount Transformer (Continuation)

With one or two galvanically isolated secondary windings

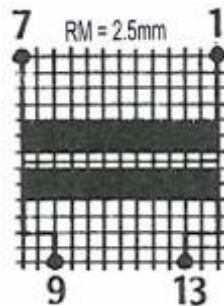


15VA PCB Transformer

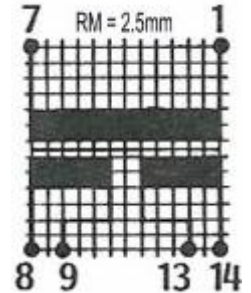
Weight approx: 480g



Order No	Secondary Voltage	Secondary Current
TUP.15W6	6V	2.5A
TUP.15W7	7.5V	2A
TUP.15W9	9.5V	1.57A
TUP.15W12	12V	1.25A
TUP.15W15	15V	1A
TUP.15W18	18V	830mA
TUP.15W21	21V	700mA
TUP.15W24	24V	620mA
TUP.5W15-115	15V 115VAC	

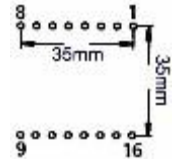
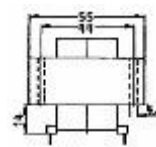
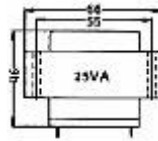


Order No	Secondary Voltage	Secondary Current
TUP.15W66	2x 6V	2x 1.25A
TUP.15W77	2x 7.5V	2x 1A
TUP.15W99	2x 9.5V	2x 780mA
TUP.15W1212	2x 12V	2x 620mA
TUP.15W1515	2x 15V	2x 500mA
TUP.15W1818	2x 18V	2x 410mA
TUP.15W2121	2x 21V	2x 350mA
TUP.15W2424	2x 24V	2x 310mA

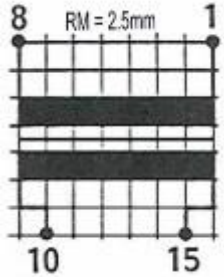


25VA PCB Transformer

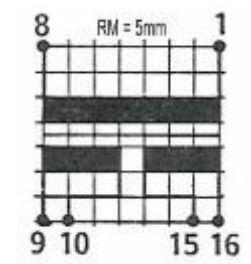
Weight approx: 660g



Order No	Secondary Voltage	Secondary Current
TUP.25W6	6V	1.25A
TUP.25W7	7.5V	1A
TUP.25W9	9.5V	780mA
TUP.25W12	12V	620mA
TUP.25W15	15V	500mA
TUP.25W18	18V	410mA
TUP.25W21	21V	350mA
TUP.25W24	24V	310mA

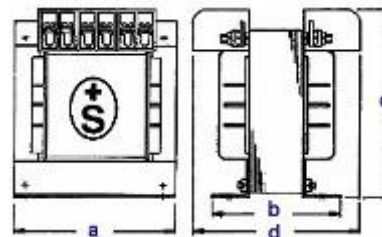


Order No	Secondary Voltage	Secondary Current
TUP.25W66	2x 6V	2x 620mA
TUP.25W77	2x 7.5V	2x 500mA
TUP.25W99	2x 9.5V	2x 390mA
TUP.25W1212	2x 12V	2x 310mA
TUP.25W1515	2x 15V	2x 250mA
TUP.25W1818	2x 18V	2x 205mA
TUP.25W2121	2x 21V	2x 175mA
TUP.25W2424	2x 24V	2x 155mA



60VA Single-phase Control/Isolating Transformer

Primary winding: 400VAC
Dimensions: a=78mm b=90mm c=89mm
Weight approx 1kg



160VA Single-phase Control/Isolating Transformer

Primary winding: 400VAC
Dimensions: a=105mm b=80mm c=113mm
Weight approx 2.8kg



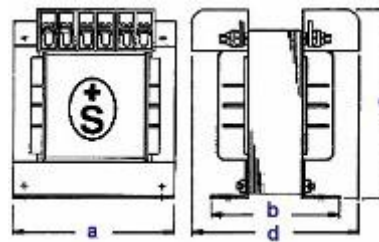
Order No	Power	Secondary Voltage	Secondary Current
TUO.60W400-230	60VA	230V	0.25A

Order No	Power	Secondary Voltage	Secondary Current
TUO.160W400-230	160VA	230V	0.7A

Standard Transformers (Continuation)

Primary winding 230VAC ±5%, 50-60Hz

With one or two galvanically isolated secondary windings



75VA Standard-Transformers

Dimensions: a=82mm b=62mm c=93mm d=76mm

Weight approx 1.6kg



Order No	Secondary Voltage	Secondary Current
TUO.75W6	6V	12A
TUO.75W7	7V	10A
TUO.75W9	9.5V	7.9A
TUO.75W12	12V	6A
TUO.75W18	18V	4.17A
TUO.75W21	21V	3.57A
TUO.75W24	24V	3A
TUO.75W30	30V	2.5A
TUO.75W36	36V	2.1A
TUO.75W42	42V	1.8A
TUO.75W50	50V	1.5A
TUO.75W60	60V	1.25A
TUO.75W220	230V	340mA

Order No	Secondary Voltage	Secondary Current
TUO.75W66	2x 6V	2x 6A
TUO.75W77	2x 7.5V	2x 5A
TUO.75W99	2x 9.5V	2x 3.95A
TUO.75W1212	2x 12V	2x 3A
TUO.75W1515	2x 15V	2x 2.5A
TUO.75W1818	2x 18V	2x 2.1A
TUO.75W2121	2x 21V	2x 1.8A
TUO.75W2424	2x 24V	2x 1.5A
TUO.75W3030	2x 30V	2x 1.25A
TUO.75W3636	2x 36V	2x 1.05A

100VA Standard-Transformers

Dimensions: a=82mm b=71mm c=95mm d=86mm

Weight approx 2.05kg

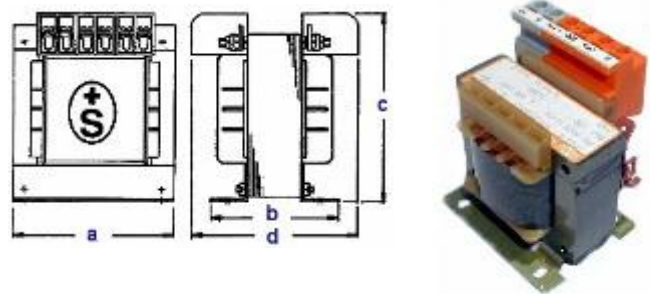


Order No	Secondary Voltage	Secondary Current
TUO.100W6	6V	16A
TUO.100W7	7V	13.3A
TUO.100W9	9.5V	10.5A
TUO.100W12	12V	8A
TUO.100W15	15V	6.65A
TUO.100W18	18V	5.56A
TUO.100W21	21V	4.76A
TUO.100W24	24V	4A
TUO.100W30	30V	3.33A
TUO.100W36	36V	2.78A
TUO.100W42	42V	2.4A
TUO.100W50	50V	2A
TUO.100W60	60V	1.67A
TUO.100W220	230V	450mA

Order No	Secondary Voltage	Secondary Current
TUO.100W66	2x 6V	2x 8A
TUO.100W77	2x 7.5V	2x 6.65A
TUO.100W99	2x 9.5V	2x 5.25A
TUO.100W1212	2x 12V	2x 4A
TUO.100W1515	2x 15V	2x 3.33A
TUO.100W1818	2x 18V	2x 2.78A
TUO.100W2121	2x 21V	2x 2.38A
TUO.100W2424	2x 24V	2x 2A
TUO.100W3030	2x 30V	2x 1.67A
TUO.100W3636	2x 36V	2x 1.39A

Standard Transformers (Continuation)

Primary winding 230VAC ±5%, 50-60Hz
With one or two galvanically isolated secondary windings



150VA Standard-Transformers

Dimensions: a=95mm b=77mm c=107mm d=92mm
Weight approx 3.2kg



Order No	Secondary Voltage	Secondary Current
TUO.150W9	9.5V	15.8A
TUO.150W12	12V	12.5A
TUO.150W15	18V	10A
TUO.150W18	18V	8.33A
TUO.150W21	21V	7.14A
TUO.150W24	24V	6.2A
TUO.150W30	30V	5A
TUO.150W36	36V	4.17A
TUO.150W42	42V	3.6A
TUO.150W50	50V	3A
TUO.150W60	60V	2.5A
TUO.150W220	230V	680mA

Order No	Secondary Voltage	Secondary Current
TUO.150W99	2x 9.5V	2x 7.9A
TUO.150W1212	2x 12V	2x 6.25A
TUO.150W1515	2x 15V	2x 5A
TUO.150W1818	2x 18V	2x 4.17A
TUO.150W2121	2x 21V	2x 3.57A
TUO.150W2424	2x 24V	2x 3.1A
TUO.150W3030	2x 30V	2x 2.5A
TUO.150W3636	2x 36V	2x 2.08A

200VA Standard-Transformers

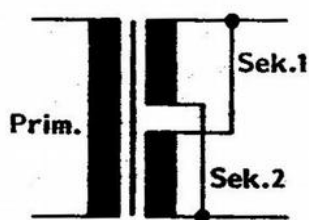
Dimensions: a=114mm b=73mm c=127mm d=85mm
Weight approx 3.8kg



Order No	Secondary Voltage	Secondary Current
TUO.200W12	12V	16.5A
TUO.200W15	15V	12.33A
TUO.200W18	18V	11.2A
TUO.200W21	21V	9.52A
TUO.200W24	24V	8.2A
TUO.200W30	30V	6.67A
TUO.200W36	36V	5.56A
TUO.200W42	42V	4.76A
TUO.200W50	50V	4A
TUO.200W60	60V	3.33A
TUO.200W220	230V	900mA

Order No	Secondary Voltage	Secondary Current
TUO.200W1212	2x 12V	2x 8.2A
TUO.200W1515	2x 15V	2x 6.67A
TUO.200W1818	2x 18V	2x 5.56A
TUO.200W2121	2x 21V	2x 4.76A
TUO.200W2424	2x 24V	2x 4.1A
TUO.200W3030	2x 30V	2x 3.33A
TUO.200W3636	2x 36V	2x 2.78A

Parallelschaltung der Sekundärwicklungen eines Netztransformators

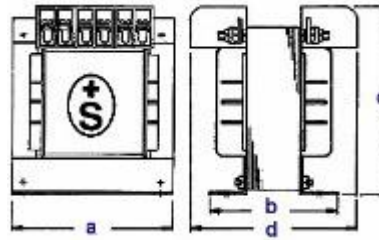


Die Sekundärwicklungen müssen unbedingt die gleiche Spannung und den gleichen Maximal-Strom aufweisen.

Die Sekundärspannung bleibt unverändert, der zulässige Sekundärstrom hat jetzt den doppelten Wert der einzelnen Wicklung.

Standard Transformers (Continuation)

Primary winding 230VAC ±5%, 50-60Hz
With one or two galvanically isolated secondary windings



250VA Standard-Transformers

Dimensions: a=114mm b=82mm c=127mm d=93mm
Weight approx 4.6kg

Order No	Secondary Voltage	Secondary Current
TUO.250W12	12V	20.8A
TUO.250W15	15V	16.66A
TUO.250W18	18V	13.9A
TUO.250W21	21V	11.9A
TUO.250W24	24V	10.4A
TUO.250W30	30V	8.33A
TUO.250W36	36V	6.94A
TUO.250W42	42V	5.9A
TUO.250W50	50V	5A
TUO.250W60	60V	4.17A
TUO.250W220	230V	1.14A

Order No	Secondary Voltage	Secondary Current
TUO.250W1212	2x 12V	2x 10.4A
TUO.250W1515	2x 15V	2x 8.33A
TUO.250W1818	2x 18V	2x 6.94A
TUO.250W2121	2x 21V	2x 5.9A
TUO.250W2424	2x 24V	2x 5.2A
TUO.250W3030	2x 30V	2x 4.17A
TUO.250W3636	2x 36V	2x 3.47A

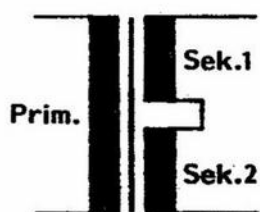
350VA Standard-Transformers

Dimensions: a=114mm b=101mm c=127mm d=113mm
Weight 6.4kg

Order No	Secondary Voltage	Secondary Current
TUO.350W21	21V	16.66A
TUO.350W24	24V	14.6A
TUO.350W30	30V	11.66A
TUO.350W36	36V	9.72A
TUO.350W42	42V	8.33A
TUO.350W50	50V	7A
TUO.350W60	60V	5.83A
TUO.350W220	230V	1.6A

Order No	Secondary Voltage	Secondary Current
TUO.350W1212	2x 12V	2x 14.58A
TUO.350W2121	2x 21V	2x 8.33A
TUO.350W2424	2x 24V	2x 7.25A
TUO.350W3030	2x 30V	2x 5.83A
TUO.350W3636	2x 36V	2x 4.86A

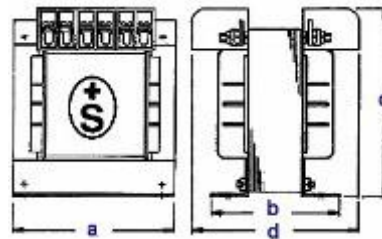
Serienschaltung der Sekundärwicklungen eines Netztransformators



Die Sekundärwicklungen können ungleich sein.
Bei gleichphasiger Serienschaltung addieren sich die beiden Spannungen.
Bei gegenphasiger Serienschaltung subtrahieren sich die beiden Spannungen.
Die strommässig schwächste Sekundärwicklung bestimmt den maximal zulässigen Gesamtstrom.

Standard Transformers (Continuation)

Primary winding 230VAC ±5%, 50-60Hz
With one or two galvanically isolated secondary windings



500VA Standard-Transformers

Dimensions: a=150mm b=105mm c=131mm d=113mm
Weight approx 7.9kg

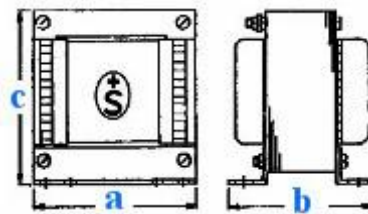


Order No	Secondary Voltage	Secondary Current	+ 5% 230V - 5%	Prim.	Sek.
TUO.500W24	24V	20.83A		Prim.	Sek.
TUO.500W30	30V	16.66A			
TUO.500W36	36V	13.88A			
TUO.500W42	42V	11.9A			
TUO.500W50	50V	10A			
TUO.500W60	60V	8.33A			
TUO.500W220	230V	2.27A			

Order No	Secondary Voltage	Secondary Current	+ 5% 230V - 5%	Prim.	Sek.1	Sek.2
TUO.500W3030	2x 30V	2x 8.3A		Prim.	Sek.1	Sek.2
TUO.500W3636	2x 36V	2x 6.9A				

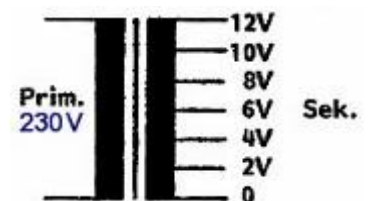
Universal-Transformers

Primary winding 230VAC 50-60Hz
With one secondary winding



12 Volt Version

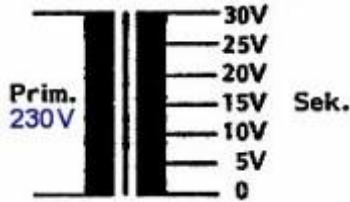
Order No	Secondary Voltage	Secondary Current	Power	Dimensions In mm			Weight approx
				a	b	c	
TUN.25W12	0-2-4-6-8-10-12 Volt	2A	25VA	65	59	71	0.9kg
TUN.50W12		4A	50VA	74	64	78	1.3kg
TUN.75W12		6A	75VA	85	64	91	1.9kg
TUN.100W12		8A	100VA	85	76	91	2kg
TUN.150W12		12.5A	150VA	102	72	110	3.2kg
TUN.200W12		16.5A	200VA	102	95	108	3.7kg





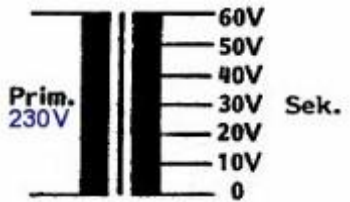
30 Volt Version (Continuation)

Order No	Secondary Voltage	Secondary Current	Power	Dimensions In mm			Weight approx
				a	b	c	
TUN.25W30	0-5-10-15-20-25-30 Volt	0.82A	25VA	65	59	71	0.9kg
TUN.50W30		1.67A	50VA	74	64	78	1.3kg
TUN.75W30		2.5A	75VA	85	64	91	1.9kg
TUN.100W30		3.33A	100VA	85	76	91	2kg
TUN.150W30		5A	150VA	102	72	110	3.2kg
TUN.200W30		6.67A	200VA	102	95	108	3.7kg
TUN.250W30		8.33A	250VA	114	81	121	4.4kg
TUN.350W30		11.67A	350VA	114	100	120	6.7kg
TUN.500W30		16.67A	500VA	125	111	155	8kg



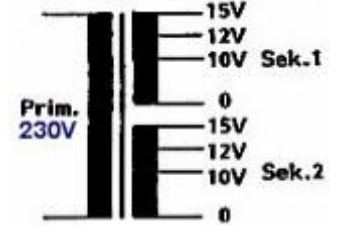
60 Volt Version

Order No	Secondary Voltage	Secondary Current	Power	Dimensions In mm			Weight approx
				a	b	c	
TUN.25W60	0-10-20-30-40-50-60 Volt	0.41A	25VA	65	59	71	0.9kg
TUN.50W60		0.83A	50VA	74	64	78	1.3kg
TUN.75W60		1.25A	75VA	85	64	91	1.9kg
TUN.100W60		1.67A	100VA	85	76	91	2kg
TUN.150W60		2.5A	150VA	102	72	110	3.2kg
TUN.200W60		3.33A	200VA	102	95	108	3.7kg
TUN.250W60		4.17A	250VA	114	81	121	4.4kg
TUN.350W60		5.83A	350VA	114	100	120	6.7kg
TUN.500W60		8.33A	500VA	125	111	155	8kg



2x 15 Volt Version (With two galvanically isolated secondary windings)

Order No	Secondary Voltage	Secondary Current	Power	Dimensions In mm			Weight approx
				a	b	c	
TUN.12W1515	2x 0-10-12-15 Volt	2x 0.4A	12VA	55	45	59	0.5kg
TUN.25W1515		2x 0.8A	25VA	65	59	71	0.9kg
TUN.50W1515		2x 1.5A	50VA	74	64	78	1.3kg
TUN.75W1515		2x 2.5A	75VA	85	64	91	1.9kg
TUN.120W1515		2x 4A	120VA	102	77	108	2.9kg
TUN.180W1515		2x 6A	180VA	102	93	108	4.1kg



Series connected secondary windings result in:

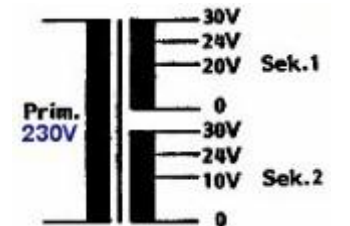
2V, 3V, 4V, 5V, 6V, 7V, 8V, 10V, 12V, 13V, 14V, 15V, 17V, 18V, 20V, 22V, 24V, 25V, 27V oder 30V

Parallel connected secondary windings result in:

2V, 3V, 5V, 10V, 12V oder 15V with double current

2x 30 Volt Version (With two galvanically isolated secondary windings)

Best.Nr.	Sekundärspannung	Sekundärstrom	Gesamt-Leistung	Abmessungen In mm			Gewicht ca.
				a	b	c	
TUN.12W3030	2x 0-20-24-30 Volt	2x 0.2A	12VA	55	45	59	0.5kg
TUN.25W3030		2x 0.4A	25VA	65	59	71	0.9kg
TUN.50W3030		2x 0.75A	50VA	74	64	78	1.3kg
TUN.75W3030		2x 1.25A	75VA	85	64	91	1.9kg
TUN.120W3030		2x 2A	120VA	102	77	108	2.9kg
TUN.180W3030		2x 3A	180VA	102	93	108	4.1kg



Series connected secondary windings result in:

4V, 6V, 8V, 10V, 12V, 14V, 16V, 20V, 24V, 26V, 28V, 30V, 34V, 36V, 40V, 44V, 48V, 50V, 54V oder 60V

Parallel connected secondary windings result in:

4V, 6V, 10V, 20V, 24V oder 30V beim doppelten Strom

Toroidal Core Transformer



Input (primary) voltage: 2 x 115V, 50/60 Hz
 Test voltage: 4.0 kV (prim./sec.)
 Frequency range 50 > 60Hz
 Mounting: M4 or tapping screw Ø 3.9mm
 Ambient temperatures: T70/F
 Insulation class F: 155°C
 RoHS compliant: yes
 Approvals: VDE, UL, CE



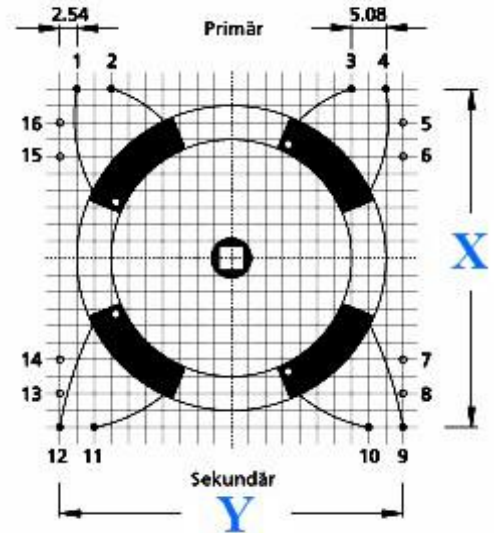
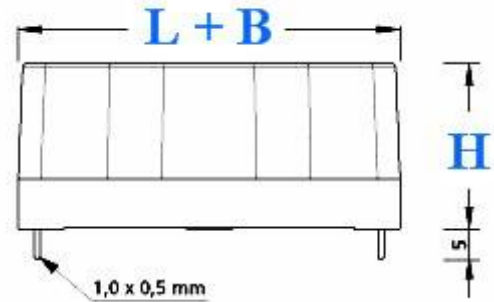
The two primary windings (2x 115VAC) have to be wired in series for 230V mains connection!

Order No	Secondary Voltage VAC	Secondary Current A	Power VA	Dimensions in mm		Weight
				Ø	H	
TUL.15W66	2x 6	2x 1.25	16	62	30	0.3kg
TUL.15W1212	2x 12	2x 0.63				
TUL.15W1515	2x 15	2x 0.5				
TUL.15W1818	2x 18	2x 0.42				
TUL.15W2222	2x 22	2x 0.34				
TUL.30W66	2x 6	2x 2.5	30	72	32	0.5kg
TUL.30W1212	2x 12	2x 1.25				
TUL.30W1515	2x 15	2x 1				
TUL.30W1818	2x 18	2x 0.83				
TUL.30W2222	2x 22	2x 0.68				
TUL.50W66	2x 6	2x 4.16	50	75	35	0.7kg
TUL.50W1212	2x 12	2x 2.08				
TUL.50W1515	2x 15	2x 1.66				
TUL.50W1818	2x 18	2x 1.4				
TUL.50W2222	2x 22	2x 1.15				
TUL.80W66	2x 6	2x 6.66	80	100	35	1kg
TUL.80W1212	2x 12	2x 3.33				
TUL.80W1515	2x 15	2x 2.66				
TUL.80W1818	2x 18	2x 2.22				
TUL.80W2222	2x 22	2x 1.82				
TUL.120W66	2x 6	2x 10	120	95	45	1.27kg
TUL.120W1212	2x 12	2x 5				
TUL.120W1515	2x 15	2x 4				
TUL.120W1818	2x 18	2x 3.3				
TUL.120W2222	2x 22	2x 2.7				
TUL.160W66	2x 6	2x 13.3	160	105	50	1.6kg
TUL.160W1212	2x 12	2x 6.6				
TUL.160W1515	2x 15	2x 5.3				
TUL.160W1818	2x 18	2x 4.4				
TUL.160W2222	2x 22	2x 3.6				

Toroidal Low-Profile Transformer for PCB Mounting

PCB Mountable Transformer
Not short circuit proof

Input (primary) voltage: 2 x 115V, 50/60 Hz
Test voltage: 4.0 kV (prim./sec.)
Mounting: M4 or tapping screw Ø 3.9mm
Ambient temperatures: T70/F
Insulation class F: 155°C
RoHS compliant: yes
Approvals: VDE, UL, CE



Order No	Secondary Voltage	Secondary Current	Power	Dimensions in mm					Weight
				L	B	H	X	Y	
TUL.FP2W77	2x 7V	114mA	1.6VA	39.6	39.6	18.5	35.56	35.56	80g
TUL.FP2W99	2x 9V	89mA							
TUL.FP2W1212	2x 12V	67mA							
TUL.FP2W1515	2x 15V	53mA							
TUL.FP3W77	2x 7V	229mA	3.2VA	44.7	44.7	19.5	40.64	40.64	110g
TUL.FP3W99	2x 9V	178mA							
TUL.FP3W1212	2x 12V	133mA							
TUL.FP3W1515	2x 15V	107mA							
TUL.FP5W77	2x 7V	357mA	5VA	49.7	49.7	19.5	45.72	45.72	144g
TUL.FP5W99	2x 9V	278mA							
TUL.FP5W1212	2x 12V	208mA							
TUL.FP5W1515	2x 15V	167mA							
TUL.FP7W77	2x 7V	500mA	7VA	49.7	49.7	23.1	45.72	45.72	174g
TUL.FP7W99	2x 9V	389mA							
TUL.FP7W1212	2x 12V	292mA							
TUL.FP7W1515	2x 15V	233mA							
TUL.FP10W77	2x 7V	714mA	10VA	55	55	26	50.8	50.8	252g
TUL.FP10W99	2x 9V	556mA							
TUL.FP10W1212	2x 12V	417mA							
TUL.FP10W1515	2x 15V	333mA							
TUL.FP15W77	2x 7V	1071mA	15VA	60	60	26.3	55.88	55.88	304g
TUL.FP15W99	2x 9V	833mA							
TUL.FP15W1212	2x 12V	625mA							
TUL.FP15W1515	2x 15V	500mA							
TUL.FP25W77	2x 7V	1785mA	25VA	60	60	37.5	55.88	55.88	435g
TUL.FP25W99	2x 9V	1377mA							
TUL.FP25W1212	2x 12V	1041mA							
TUL.FP25W1515	2x 15V	832mA							