

# Standard Toroidal Transformer, PC Mount, Low Profile, Primary 2 x 115 V or 2 x 120 V 50/60 Hz

**Advantages:** Lower strayfield, higher efficiency, reduced "standby" current, reduced weight.

## Standard Outputs

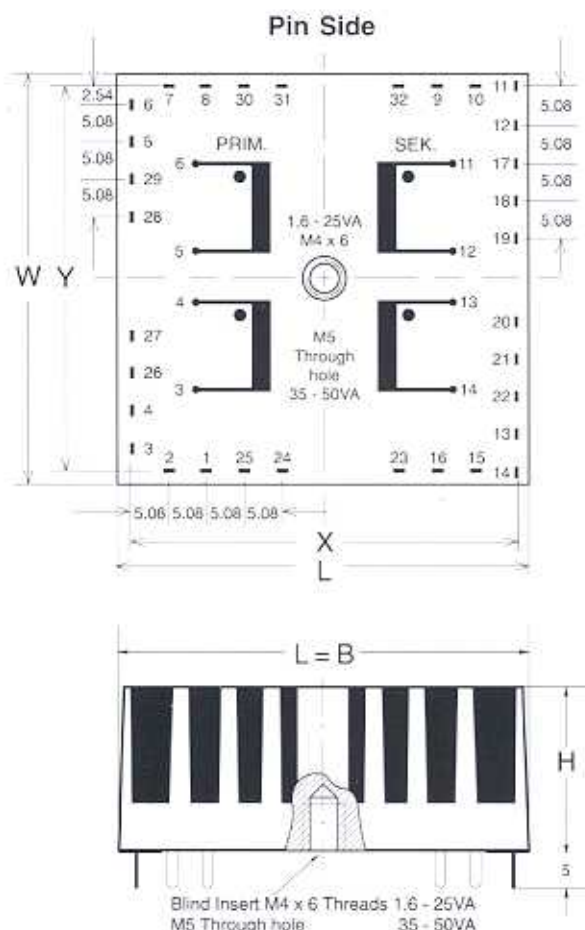
Power VA	Dimensions L x W x H mm	Pin Layout		Weight		Reg. $\Delta V/\text{Sec}$ %	$\Delta t$ °C	Eff. %	No Load $I_o$ typ mA	230V Fuse mA	Max Secondary Range				
		XY mm	Pin Size mm	Total gr	Cu gr						VA	$\Delta V/\text{Sec}$ %	$\Delta t$ °C	Eff. %	Rec. fuse mA
1.6	39.6x39.6x18.5	35.56	1.0x0.5	82	20	29	10	77	1.0	32	2.0	60	30	60	32
3.2	44.7x44.7x19.5	40.64	1.0x0.5	110	26	43	20	70	1.5	32	3.7	80	40	50	50
5.0	49.7x49.7x19.5	45.72	1.0x0.5	144	33	40	29	68	2.0	50	5.5	80	40	50	63
7.0	49.7x49.7x23.1	45.72	1.0x0.5	174	36	34	25	74	3.0	63	7.5	70	40	60	80
10.0	55.0x55.0x26.0	50.80	1.0x0.5	252	45	20	24	82	3.0	80	12.0	60	45	60	100
15.0	60.0x60.0x26.3	55.88	1.0x0.5	304	57	23	27	80	4.0	100	16.0	60	40	65	125
25.0	60.0x60.0x37.5	55.88	1.0x0.5	435	85	19	28	83	5.0	160	—	—	—	—	—
35.0	72.0x72.0x37.5	66.04	1.0x1.0	525	187	17.7	31	81	7.0	200	—	—	—	—	—
50.0	82.4x82.4x37.5	76.20	1.0x1.0	685	209	15.5	30	86	8.0	315	—	—	—	—	—

Electrical measurements @ 20°C ambient temperature.

UL  and VDE  Recognized

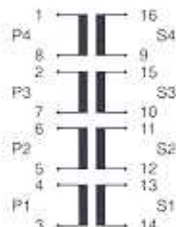
Power VA	Part Number		Sec.Full Load V	Current mA	Open Circuit V
	2 x 115	2 x 120			
1.6	70000	72400	2 x 7	114	2 x 8.9
	70001	72401	2 x 9	89	2 x 11.6
	70002	72402	2 x 12	67	2 x 15.4
	70003	72403	2 x 15	53	2 x 19.3
	70004	72404	2 x 18	44	2 x 23.4
	70005	72405	2 x 22	36	2 x 28.2
3.2	70010	72410	2 x 7	229	2 x 10.2
	70011	72411	2 x 9	178	2 x 13.0
	70012	72412	2 x 12	133	2 x 17.3
	70013	72413	2 x 15	107	2 x 21.4
	70014	72414	2 x 18	89	2 x 25.7
	70015	72415	2 x 22	73	2 x 31.3
5.0	70020	72420	2 x 7	357	2 x 9.7
	70021	72421	2 x 9	278	2 x 12.4
	70022	72422	2 x 12	208	2 x 17.0
	70023	72423	2 x 15	167	2 x 21.3
	70024	72424	2 x 18	139	2 x 25.5
	70025	72425	2 x 22	114	2 x 30.5
7.0	70030	72430	2 x 7	500	2 x 9.5
	70031	72431	2 x 9	389	2 x 12.2
	70032	72432	2 x 12	292	2 x 16.2
	70033	72433	2 x 15	233	2 x 20.3
	70034	72434	2 x 18	194	2 x 24.3
	70035	72435	2 x 22	159	2 x 29.7
10.0	70040	72440	2 x 7	714	2 x 8.3
	70041	72441	2 x 9	556	2 x 10.8
	70042	72442	2 x 12	417	2 x 14.4
	70043	72443	2 x 15	333	2 x 18.0
	70044	72444	2 x 18	278	2 x 21.7
	70045	72445	2 x 22	227	2 x 26.3
15.0	70050	72450	2 x 7	1071	2 x 8.9
	70051	72451	2 x 9	833	2 x 11.1
	70052	72452	2 x 12	625	2 x 14.8
	70053	72453	2 x 15	500	2 x 18.5
	70054	72454	2 x 18	417	2 x 22.2
	70055	72455	2 x 22	341	2 x 27.2
25.0	70060	72460	2 x 7	1785	2 x 8.3
	70061	72461	2 x 9	1377	2 x 10.7
	70062	72462	2 x 12	1041	2 x 14.3
	70063	72463	2 x 15	832	2 x 17.8
	70064	72464	2 x 18	694	2 x 21.4
	70065	72465	2 x 22	568	2 x 26.2
35.0	70070	72470	2 x 7	2500	2 x 8.0
	70071	72471	2 x 9	1944	2 x 10.6
	70072	72472	2 x 12	1458	2 x 14.0
	70073	72473	2 x 15	1166	2 x 17.6
	70074	72474	2 x 18	972	2 x 20.9
	70075	72475	2 x 22	795	2 x 25.7
50.0	70080	72480	2 x 7	3571	2 x 8.1
	70081	72481	2 x 9	2777	2 x 10.4
	70082	72482	2 x 12	2083	2 x 13.9
	70083	72483	2 x 15	1666	2 x 17.3
	70084	72484	2 x 18	1388	2 x 20.8
	70085	72485	2 x 22	1136	2 x 25.4

Primary-secondary test voltage 4.0 kV in accordance with IEC742, VDE0551 and EN60742. Primaries and secondaries for parallel or series connection. Ambient operating temperature: +60°C max. 1.6 - 25VA and +40°C max. 35 and 50VA. Recognized for Class A (105°C) and meets all requirements of Class E (125°C). UL and VDE recognized for +40°C on P/N's 70000 through 70065. Other types available upon request.



### Pin Availability

Pin No.  
 1 - 16  
 1.6VA  
 3.2 - 10VA  
 1 - 17 + 22  
 15 & 25VA  
 1 - 17 + 22, 26 & 29  
 35 & 50VA  
 All pins



Example of schematic to customer specification.

### Special Voltages - 1.6 VA to 50 VA

Primary	Pin No.	Secondary	Pin No.
1. 100 - 120 V	3 - 4	1. 7 - 120 V	14 - 13
2. 100 - 120 V	5 - 6	2. 7 - 120 V	12 - 11
3. 5 - 30 V	7 - 2	3. 7 - 42 V	10 - 15
4. 5 - 30 V	8 - 1	4. 7 - 42 V	9 - 16
5. 230 V	3 - 6		

Other special voltages available upon request