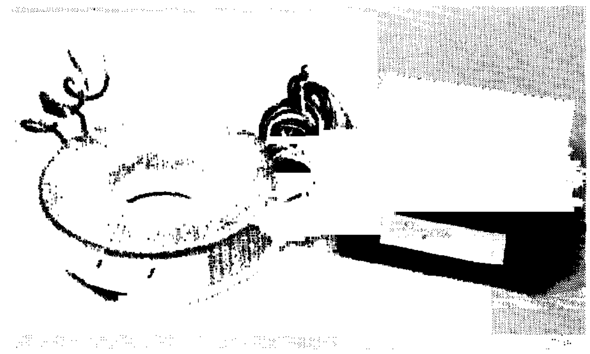
AMECON
QUALITY MAGNETIC COMPONENTS • DESIGNED FOR BEST PERFORMANCE
1900 CHRIS LANE / ANAHEIM, CA 92805 / 714-634-2220 / FAX 714-634-0905

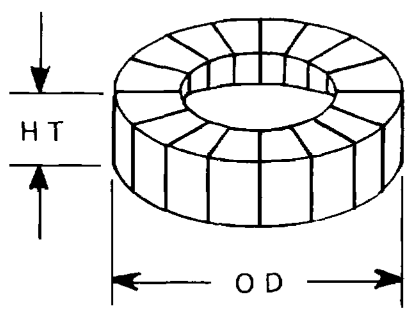
LARGEST SELECTION OF HEAVY DUTY 50/60Hz TOROIDAL POWER TRANSFORMERS

SOME ADVANTAGES OF TOROIDAL POWER TRANSFORMERS COMPARED TO LAMINATED TRANSFORMERS

- Lower mechancial hum
- Lower electrical noise
- Lower magnetic leakage
- Easier to electrostatically shield
- Lower weight
- Smaller dimensions
- Higher efficiency
- And most important price competitive vs. old fashioned laminated transformers

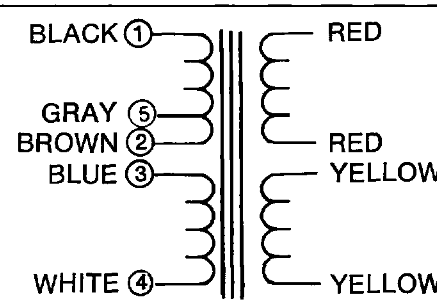


MECHANICAL DRAWING



INTERNATIONAL PRIMARY CONFIGURATIONS

Voltage	100 V	120 V	220 V	240 V
Input	1 & 5	1 & 2	1 & 4	1 & 4
Connection	1 & 3 2 & 4	1 & 3 2 & 4	5 & 3	2 & 3



TYPICAL INTERNATIONAL PRIMARIES WITH TWO SECONDARIES

Secondary Power VA	Part No. 5800	Secondary			Dimensions	
		No Load Voltage V	Load Voltage V	Load Current A	Nom. OD	(Inch) HT
6	5807 5811 5812	7.0 13.9 17.4	6 12 15	1.0 0.5 0.4	2.0	1.0
8	5820 5821 5822 5826	10.4 13.9 17.4 34.8	9 12 15 30	0.89 0.67 0.53 0.27	2.2	1.0
12	5830 5832 5835 5829 5836 5837 5838 5839 5840 5841	11.6 17.4 34.8 2 x 7.0 2 x 10.5 2 x 13.9 2 x 17.4 2 x 20.9 2 x 27.8 2 x 32.5	10 15 30 2 x 6 2 x 9 2 x 12 2 x 15 2 x 18 2 x 24 2 x 28	1.2 0.8 0.4 1.0 0.67 0.50 0.40 0.33 0.25 0.21	2.3	1.1

Secondary Power VA	Part No.	Secondary			Dimensions	
		No Load Voltage V	Load Voltage V	Load Current A	Nom. OD	(Inch) HT
20	5845 5846 5849 5850 5844 5851 5853 5854 5855 5856	11.6 13.9 27.7 34.7 2 x 7 2 x 11.6 2 x 17.3 2 x 20.7 2 x 27.7 2 x 32.4	10 12 24 30 2 x 6 2 x 10 2 x 15 2 x 18 2 x 24 2 x 28	2.0 1.7 0.83 0.67 1.7 1.0 0.67 0.56 0.38 0.35	2.6	1.2
25	5862 5864 5865 5859 5866 5868 5869 5870	17.3 27.7 34.7 2 x 7 2 x 11.6 2 x 17.3 2 x 20.7 2 x 27.7	15 24 30 2 x 6 2 x 10 2 x 15 2 x 18 2 x 24	1.7 1.0 0.83 2.0 1.25 0.83 0.69 0.52	2.6	1.3

AMECON
QUALITY MAGNETIC COMPONENTS • DESIGNED WITH 30 YRS. OF EXPERTISE
1900 CHRIS LANE / ANAHEIM, CA 92805 / 714-634-2220 / FAX 714-634-0905

LARGEST SELECTION OF HEAVY DUTY 60 Hz TOROIDAL POWER TRANSFORMERS

Output Power VA	Part Number	No Load Voltage Volts	Load Voltage Volts	Load Current Amp	DCR @ 20°C	Core Loss W	Copper Loss W	Maximum Dimensions* OD x HT in Inches	Total Weight lbs	Voltage Regulation %
7.5	6810	10.9	9	.833	1.06	.101	1.33	2.0 x 1.0	0.38	21.1
	6811	14.5	12	.625	1.76	.101	1.28			20.3
	6812	18.1	15	.500	2.8	.101	1.29			20.5
	6813	21.8	18	.417	4.23	.101	1.33			21.2
	6814	29.0	24	.313	7.12	.101	1.29			20.4
	6815	34.0	28	.268	10.4	.101	1.34			21.4
10	6820	10.8	9	1.11	.747	.123	1.67	2.2 x 1.0	0.45	19.8
	6821	14.3	12	.833	1.25	.123	1.61			19.1
	6822	17.9	15	.667	1.96	.123	1.61			19.2
	6823	21.7	18	.555	3.02	.123	1.68			20.0
	6824	28.6	24	.417	5.00	.123	1.60			19.1
	6825	32.9	28	.357	5.75	.123	1.44			17.2
15	6830	10.75	9	1.66	.434	.160	2.41	2.3 x 1.1	0.61	19.2
	6831	14.8	12	1.25	.95	.160	2.78			21.9
	6832	18.4	15	1.00	1.50	.160	2.78			21.9
	6833	21.6	18	.833	1.75	.160	2.43			20.0
	6834	28.5	24	.625	2.92	.160	2.34			18.6
	6835	33.6	28	.536	4.37	.160	2.48			19.0
	6836	2 x 10.8	2 x 9	.833	2 x .878	.160	2.45			19.4
	6837	2 x 14.2	2 x 12	.625	2 x 1.45	.160	2.33			18.6
	6838	2 x 17.9	2 x 15	.500	2 x 2.33	.160	2.38			18.8
	6839	2 x 21.6	2 x 18	.417	2 x 3.51	.160	2.44			19.3
	6840	2 x 28.6	2 x 24	.313	2 x 5.91	.160	2.36			18.7
	6841	2 x 33.47	2 x 28	.268	2 x 8.59	.160	2.44			19.5
25	6845	10.6	9	2.78	.252	.205	3.58	2.6 x 1.2	0.82	17.8
	6846	14.5	12	2.08	.547	.205	4.07			20.0
	6847	18.1	15	1.66	.865	.205	4.10			20.3
	6848	21.2	18	1.39	1.01	.205	3.60			17.9
	6849	28.2	24	1.04	1.68	.205	3.46			17.2
	6850	33.0	28	.89	2.49	.205	3.62			18.0
	6851	2 x 10.7	2 x 9	1.39	2 x .51	.205	3.62			18.0
	6852	2 x 14.1	2 x 12	1.04	2 x .84	.205	3.46			17.2
	6853	2 x 17.6	2 x 15	.833	2 x 1.33	.205	3.48			17.3
	6854	2 x 21.2	2 x 18	.69	2 x 2.03	.205	3.60			17.9
	6855	2 x 28.2	2 x 24	.52	2 x 3.4	.205	3.47			17.3
	6856	2 x 33.2	2 x 28	.45	2 x 5.01	.205	3.64			18.1
30	6860	10.5	9	3.33	.183	.240	4.03	2.6 x 1.3	0.90	16
	6861	13.9	12	2.5	.306	.240	3.89			15.4
	6862	17.3	15	2.00	.479	.240	3.89			15.5
	6863	21.0	18	1.66	.731	.240	4.03			16.0
	6864	27.8	24	1.25	1.23	.240	3.91			15.5
	6865	32.6	28	1.07	1.80	.240	4.07			16.2
	6866	2 x 10.5	2 x 9	1.66	2 x .366	.240	4.03			16.0
	6867	2 x 13.9	2 x 12	1.25	2 x .615	.240	3.91			15.5
	6868	2 x 17.4	2 x 15	1.00	2 x .961	.240	3.89			15.5
	6869	2 x 17.4	2 x 18	.833	2 x 1.47	.240	4.04			16.0
	6870	2 x 27.8	2 x 24	.625	2 x 2.45	.240	3.88			15.4
	6871	2 x 32.6	2 x 28	.536	2 x 3.65	.240	4.09			16.3
50	6875	2 x 10.4	2 x 9	2.78	2 x .218	.318	6.64	3.0 x 1.3	1.3	15.9
	6876	2 x 13.9	2 x 12	2.08	2 x .367	.318	6.48			15.4
	6877	2 x 17.3	2 x 15	1.66	2 x .575	.318	6.46			15.4
	6878	2 x 20.9	2 x 18	1.39	2 x .879	.318	6.66			15.9
	6879	2 x 27.8	2 x 24	1.04	2 x 1.46	.318	6.45			15.3
	6880	2 x 32.7	2 x 28	.893	2 x 2.18	.318	6.79			16.1
75	6885	17.2	15	5.00	.196	.415	8.88	3.1 x 1.4	1.6	14.1
	6886	27.7	24	3.125	.504	.415	8.96			14.1
	6887	34.6	30	2.5	.793	.415	8.99			14.2
	6888	2 x 10.4	2 x 9	4.16	2 x .150	.415	9.25			14.7
	6889	2 x 13.8	2 x 12	3.125	2 x .252	.415	8.96			14.1
	6890	2 x 17.3	2 x 15	2.50	2 x .397	.415	8.99			14.2
	6891	2 x 20.7	2 x 18	2.08	2 x .6	.415	9.25			14.6
	6892	2 x 27.5	2 x 24	1.56	2 x 1.01	.415	8.93			14.2
	6893	2 x 34.4	2 x 30	1.25	2 x 1.58	.415	8.95			14.2

* Semi Epoxy Molded, Add 0.20" O.D. & 0.09" Ht. Full Epoxy Molded, Add 0.20" O.D. & Ht.
NOTES: Dimensions stated are based on perfect windings not always achieveable. Electrical data accurate to within ±6%.

AMECON
QUALITY MAGNETIC COMPONENTS • DESIGNED WITH 30 YRS. OF EXPERTISE
1900 CHRIS LANE / ANAHEIM, CA 92805 / 714-634-2220 / FAX 714-634-0905

LARGEST SELECTION OF HEAVY DUTY 50/60Hz TOROIDAL POWER TRANSFORMERS

Secondary Power VA	Part No.	Secondary			Dimensions*	
		No Load Voltage V	Load Voltage V	Load Current A	Nom. OD	(Inch) HT
40	5873	27.2	24	1.66	3.0	1.3
	5874	34.2	30	1.33		
	5876	2 x 13.6	2 x 12	1.67		
	5877	2 x 17.1	2 x 15	1.33		
	5878	2 x 20.5	2 x 18	1.11		
	5879	2 x 22.8	2 x 20	1.00		
	5880	2 x 27.2	2 x 24	0.833		
60	5885	17.0	15	4.0	3.1	1.4
	5886	27.0	24	2.5		
	5887	33.4	30	2.0		
	5882	40.5	36	1.67		
	5883	47.4	42	1.43		
	5884	2 x 6.8	2 x 6	5.0		
	5891	2 x 20.4	2 x 18	1.67		
	5892	2 x 27.0	2 x 24	1.25		
	5893	2 x 33.4	2 x 30	1.00		
80	5901	16.8	15	5.33	3.6	1.5
	5902	20.2	18	4.44		
	5903	26.8	24	3.33		
	5904	33.6	30	2.67		
	5905	2 x 9	2 x 8	5.00		
	5906	2 x 16.8	2 x 15	2.67		
	5907	2 x 20.2	2 x 18	2.22		
	5908	2 x 26.8	2 x 24	1.67		
	5909	2 x 33.6	2 x 30	1.33		
100	5911	26.8	24	4.16	3.6	1.5
	5912	33.6	30	3.33		
	5913	47.0	42	2.38		
	5919	2 x 20	2 x 18	2.78		
	5920	2 x 24.5	2 x 22	2.27		
	5923	2 x 31.2	2 x 28	1.79		
	5921	2 x 33.5	2 x 30	1.67		
	5922	133.5	120	0.833		
120	5925	26.5	24	5.0	4.0	1.5
	5926	33.2	30	4.0		
	5927	66.5	60	2.0		
	5933	2 x 20	2 x 18	3.33		
	5934	2 x 26.5	2 x 24	2.50		
	5937	2 x 39.8	2 x 36	1.67		
160	5939	13.2	12	13.3	4.2	1.9
	5940	26.5	24	6.67		
	5941	39.8	36	4.44		
	5942	66.5	60	2.67		
	5943	2 x 66.4	2 x 60	1.33		
	5944	2 x 33	2 x 30	2.67		

Secondary Power VA	Part No.	Secondary			Dimensions*	
		No Load Voltage V	Load Voltage V	Load Current A	Nom. OD	(Inch) HT
250	5950	13.0	12	20.8	4.6	2.0
	5951	26.5	24	10.4		
	5952	2 x 26.5	2 x 24	5.21		
	5953	2 x 33	2 x 30	4.17		
	5954	2 x 66	2 x 60	2.08		
	5955	2 x 53	2 x 48	2.60		
320	5960	13.0	12	26.7	4.9	2.2
	5961	26.0	24	13.3		
	5962	32.5	30	10.7		
	5963	52.0	2 x 48	3.33		
	5964	2 x 65	2 x 60	2.67		
400	5966	12.9	12	33.4	5.2	2.3
	5967	25.8	24	16.7		
	5968	64.8	60	6.7		
	5969	38.6	2 x 36	5.56		
	5970	40.7	2 x 38	5.10		
	5971	51.6	2 x 48	4.04		
600	5973	2 x 25.7	2 x 24	12.5	5.6	2.7
	5974	2 x 29.7	2 x 28	10.7		
	5975	2 x 35	2 x 33	9.09		
	5976	2 x 40.3	2 x 38	7.8		
	5977	2 x 51	2 x 48	6.2		
	5978	2 x 64	2 x 60	5.0		
800	5982	2 x 31.6	2 x 30	13.3	6.4	2.7
	5981	2 x 50.5	2 x 48	8.3		
	5983	2 x 63.4	2 x 60	6.7		
	5984	2 x 126.5	2 x 120	3.3		
1200	5980	2 x 31.4	2 x 30	20	6.6	3.3
	5985	2 x 63	2 x 60	10		
	5986	2 x 125	2 x 120	5		
2000	5987	2 x 49.8	2 x 48	20.8	7.3	4.4
	5988	2 x 62.4	2 x 60	16.7		
	5989	2 x 124.5	2 x 120	8.3		
5K	5280	2 x 62.2	2 x 60	41.6	10.87	4.25
	5281	2 x 124	2 x 120	20.8		
7.5K	5290	2 x 61.5	2 x 60	62.5	12.62	4.25
	5291	2 x 122.5	2 x 120	31.2		
10K	5295	2 x 61.5	2 x 60	83.3	14.75	5.25
	5296	2 x 122.5	2 x 120	41.6		

* Semi Epoxy Molded, Add 0.20" O.D. & 0.09" Ht. Full Epoxy Molded, Add 0.20" O.D. & Ht.
NOTES: Dimensions stated are based on perfect windings not always achieveable. Electrical data accurate to within ±6%.

IMPORTANT NOTES:

1. All transformers have been designed for 50/60HZ.
2. 60HZ to 400HZ. Designs available upon request.
3. Custom designs tailored to your specs. are made & evaluated on a 2 wk. cycle.
4. 100% electrostatic shielding available on all transformers with a small power derating.
5. Magnetic shielding & lower magnetic leakage designs for sensitive areas such as encountered in computers & audio equipment, are available on all transformers.
6. Low profile designs are available upon request.
7. Amecon has the world's most complete toroidal mfg. facilities. We can machine wind toroids in excess of 50" dia. & 2000 lbs.

AMECON
QUALITY MAGNETIC COMPONENTS • DESIGNED WITH 30 YRS. OF EXPERTISE
1900 CHRIS LANE / ANAHEIM, CA 92805 / 714-634-2220 / FAX 714-634-0905

LARGEST SELECTION OF HEAVY DUTY 60 Hz TOROIDAL POWER TRANSFORMERS

Output Power VA	Part Number	No Load Voltage Volts	Load Voltage Volts	Load Current Amp	DCR @ 20°C	Core Loss W	Copper Loss W	Maximum Dimensions* OD x HT In Inches	Total Weight lbs	Voltage Regulation %
100	6900	13.6	12	8.33	.075	.524	10.4	3.6 x 1.5	2.2	12.3
	6901	16.9	15	6.66	.118	.524	10.4			12.4
	6902	20.4	18	5.55	.179	.524	10.8			12.8
	6903	27.1	24	4.17	.299	.524	10.4			12.3
	6904	33.7	30	3.33	.470	.524	10.4			12.4
	6905	2 x 9.5	2 x 8.5	5.88	2 x .660	.524	9.67			11.5
	6906	2 x 16.9	2 x 15	3.33	2 x .236	.524	10.5			12.4
	6907	2 x 20.4	2 x 18	2.78	2 x .358	.524	10.8			12.8
	6908	2 x 26.9	2 x 24	2.08	2 x .595	.524	10.3			12.3
	6909	2 x 33.8	2 x 30	1.67	2 x .95	.524	10.4			12.4
120	6915	20.5	18	6.66	.152	.67	11.4	3.6 x 1.5	2.4	13.0
	6916	25.0	22	5.45	.23	.67	11.6			13.3
	6917	2 x 13.7	2 x 12	5.00	2 x .128	.67	11.0			12.6
	6918	2 x 17.0	2 x 15	4.00	2 x .20	.67	11.11			12.6
	6919	2 x 20.4	2 x 18	3.33	2 x .30	.67	11.4			13.0
	6920	2 x 25.0	2 x 22	2.73	2 x .47	.67	11.6			13.0
	6921	2 x 34.1	2 x 30	2.00	2 x .80	.67	11.2			12.6
	6922	2 x 135	2 x 110, 120	.500	2 x 12.9	.67	11.1			12.7
150	6930	2 x 9.6	2 x 8.5	8.82	2 x .039	.806	20	4.0 x 1.5	2.8	13.0
	6931	2 x 13.6	2 x 12	6.25	2 x .07	.806	20			13.0
	6932	2 x 17.0	2 x 15	5.00	2 x .11	.806	20			13.0
	6933	2 x 20.5	2 x 18	4.17	2 x .16	.806	20			13.0
	6934	2 x 27.1	2 x 24	3.13	2 x .28	.806	20			13.0
	6935	2 x 34	2 x 30	2.50	2 x .45	.806	20			13.0
	6936	2 x 135	2 x 110, 120	.625	2 x 7.1	.806	20			13.0
200	6940	2 x 9.3	2 x 8.5	11.76	2 x .0253	1.03	13.1	4.2 x 1.9	4.4	7.7
	6941	2 x 12.9	2 x 12	8.33	2 x .0443	1.03	12.0			7.2
	6942	2 x 19.3	2 x 18	5.56	2 x .106	1.03	1.24			7.4
	6943	2 x 23.7	2 x 22	4.55	2 x .164	1.03	12.7			7.6
	6944	2 x 32.2	2 x 30	3.33	2 x .280	1.03	12.1			7.2
	6945	2 x 128.9	2 x 110, 120	.833	2 x 4.5	1.03	12.1			7.2
300	6950	28.6	26.5	11.3	0.074	1.69	22.5	4.6 x 2.0	5.7	7.5
	6951	2 x 9.15	2 x 8.5	17.6	0.030	1.69	20.5			6.9
	6952	2 x 28.3	2 x 26.5	5.67	0.294	1.69	20.8			7.0
	6953	2 x 35.3	2 x 33	4.55	0.366	1.69	18.5			6.2
	6954	2 x 56.6	2 x 53	2.83	0.935	1.69	18.9			6.2
	6955	2 x 70.5	2 x 66	2.27	1.47	1.69	18.5			6.2
400	6960	2 x 38.2	2 x 36	5.55	2 x .170	1.72	20.0	4.9 x 2.2	6.9	5.9
	6961	2 x 40.5	2 x 38	5.26	2 x .180	1.72	19.5			5.8
	6962	2 x 51.0	2 x 48	4.17	2 x .287	1.72	19.4			5.8
	6963	2 x 127.5	2 x 110, 120	1.67	2 x 1.81	1.72	19.5			5.8
500	6967	2 x 25.5	2 x 24	10.42	2 x .058	1.84	24.3	5.2 x 2.3	8.0	5.8
	6968	2 x 31.9	2 x 30	8.33	2 x .091	1.84	24.4			5.8
	6969	2 x 34.8	2 x 33	7.58	2 x .099	1.84	23.1			5.5
	6970	2 x 40.5	2 x 38	6.58	2 x .146	1.84	24.5			5.8
	6971	2 x 51.0	2 x 48	5.20	2 x .231	1.84	24.3			5.8
	6972	2 x 63.7	2 x 60	4.17	2 x .365	1.84	24.5			5.8
	6973	2 x 127.5	2 x 110, 120	2.08	2 x 1.46	1.84	24.5			5.8
750	6976	2 x 31.8	2 x 30	12.5	2 x .0505	2.62	30.6	5.6 x 2.7	11.2	4.8
	6977	2 x 50.5	2 x 48	7.81	2 x .127	2.62	30.0			4.8
	6978	2 x 63.3	2 x 60	6.25	2 x .200	2.62	30.3			4.8
	6979	2 x 126	2 x 110, 120	3.13	2 x .800	2.62	30.1			4.8
1K	6982	2 x 31.1	2 x 30	16.66	2 x .0283	3.52	30.1	6.4 x 2.7	15.5	3.6
	6983	2 x 62.3	2 x 60	8.33	2 x .113	3.52	30.1			3.6
	6984	2 x 124.6	2 x 110, 120	4.17	2 x .454	3.52	30.1			3.6
2.5K	6987	2 x 49.3	2 x 48	26.0	2 x .0214	7.71	56.3	7.3 x 4.4	32.0	2.7
	6988	2 x 62.2	2 x 60	20.8	2 x .0335	7.71	56.1			2.7
	6989	2 x 123.3	2 x 110, 120	10.4	2 x .133	7.71	55.5			2.7

* Semi Epoxy Molded, Add 0.20" O.D. & 0.09" Ht. Full Epoxy Molded, Add 0.20" O.D. & Ht.
NOTES: Dimensions stated are based on perfect windings not always achieveable. Electrical data accurate to within ±6%.