

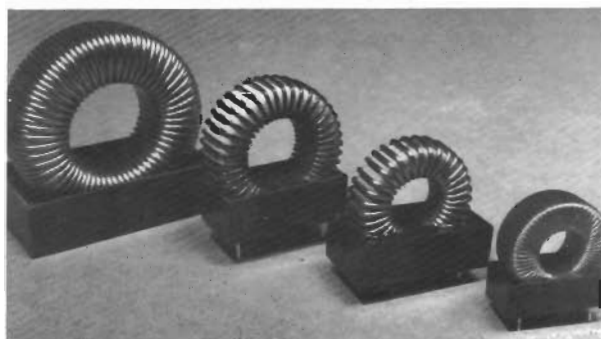


QUALITY MAGNETIC COMPONENTS FOR S.M.P.S. SINCE 1972

1900 CHRIS LANE / ANAHEIM, CA 92805 / 714-634-2220 / FAX 714-634-0905

### SWITCH MODE POWER SUPPLY FILTER INDUCTORS

- Minimum possible size • Low profile
- Performance verified in 25KHZ switching power supply
- Large selection of sizes available
- Available with open winding type or encapsulated and semi-encapsulated constructions.
- Custom designs are available up to 200AMPS.
- Advanced materials • Best production technologies, with 27 yrs. of SMPS expertise



I <sub>dc</sub> (AMPS)	Part Number	L <sub>MIN</sub> (μh) @ Rated I <sub>dc</sub>	L <sub>MIN</sub> (μh) @ Zero I <sub>dc</sub>	DCR <sub>NOM</sub> (OHMS)	Min Energy Storage (μ-Joule)	Mechanical Specifications (inch)	
						OD <sub>NOM.</sub>	HT <sub>NOM.</sub>

#### 5 VOLTS POWER INDUCTORS

1	5500	480	430	0.360	240	1.12	0.49
2	5501	275	330	0.150	550	1.14	0.52
3	5502	160	210	0.080	720	1.17	0.54
5	5503	104	160	0.055	1250	1.20	0.58
8	5504	60	84	0.015	1920	1.25	0.76
10	5505	50	62	0.012	2500	1.30	0.81
12	5506	40	48	0.009	3456	1.32	0.84
15	5507	30	50	0.009	3712	1.52	0.57
20	5508	25	40	0.006	5000	1.56	0.72
25	5509	20	26	.004	6250	1.62	0.76
30	5510	16	28	.004	7200	1.65	1.25
40	5511	12	20	.003	9600	1.72	1.28
50	5512	10	14	.002	12500	2.12	1.00
60	5513	8	12	.0015	14400	2.20	1.10
100	5514	5	7	.001	25000	2.12	1.00

#### 10 VOLTS POWER INDUCTORS

1	5520	1000	850	0.53	500	1.12	0.63
2	5521	500	510	0.27	1000	1.14	0.66
3	5522	310	320	0.13	1395	1.17	0.68
5	5523	180	210	0.17	2250	1.42	0.55
8	5524	120	150	0.04	3840	1.72	0.73
10	5525	100	140	0.03	5000	1.75	0.76
12	5526	75	110	0.02	7920	1.78	0.80
15	5527	68	100	0.016	8437	1.81	0.82
20	5528	51	65	0.010	10200	2.10	1.00
30	5529	32	42	0.010	14400	1.90	1.87

#### 15 VOLTS POWER INDUCTORS

1	5530	1250	1250	0.650	625	1.60	0.52
2.5	5531	500	520	0.170	1000	1.62	0.54
5.0	5532	250	315	0.080	3937	1.70	0.70
7.5	5533	170	225	0.050	4780	1.75	0.75
10	5534	125	170	0.030	6250	1.78	0.78
15	5535	85	130	0.017	9560	2.06	0.94
25	5536	50	90	0.009	15625	2.12	1.00
30	5537	43	75	0.008	19350	2.31	1.42

#### 24 VOLTS POWER INDUCTORS

2	5540	1100	1050	0.22	2200	1.95	0.82
5	5541	550	510	0.10	6875	2.00	0.87
7.5	5542	300	380	0.06	8437	2.12	1.00
10	5543	225	300	0.04	11250	2.25	1.12
15	5544	150	220	0.026	16875	2.35	1.31
25	5545	90	150	0.013	28125	2.30	1.88
35	5546	65	95	0.008	39812	2.4	2.06

#### 48 VOLTS POWER INDUCTORS

5	5550	750	820	0.14	9375	2.0	1.6
10	5551	375	520	2.06	18750	2.25	1.87
15	5552	250	450	0.05	28125	2.37	1.93
25	5553	150	280	0.03	46875	2.5	2.5

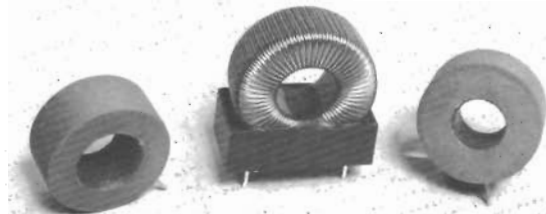


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## TOROIDAL CURRENT SENSE TRANSFORMERS

- Designed for switched mode power supply applications.
- Cost effective design.
- Operating frequency 20 kHz above.
- Pri Peak current up to 20 amps
- Available with open winding type, pvc sealed, and totally epoxy encapsulated.
- All our SMPS components backed by 19 yrs. of experience.
- With or without wound Pri turns.



Part Number	Turns Ratio	L <sub>MIN</sub> (MH) @ 20 kHz 1 Volt	DCR <sub>MAX</sub> (Ohms)	R <sub>L</sub> (Ohms)	Dimensions (inch)				
					L <sub>MAX</sub>	ID <sub>MIN</sub>	HT <sub>MAX</sub>	W <sub>MAX</sub>	CXD
5600	30:1	2.0	0.30	30	0.67	0.18	0.75	0.4	0.50 x 0.25
5601	50:1	5.0	0.50	50					
5602	100:1	20.0	1.20	100	1.18	0.31	1.18	0.50	0.75 x 0.37
5603	200:1	90.0	2.00	200					
5604	400:1	210.0	5.0	400					
5605	600:1	480.0	9.0	600					
5606	800:1	850.0	15.0	800	0.67	0.18	0.75	0.4	0.50 x 0.25
5607	20CT:1	1.0	0.20	20					
5608	40CT:1	3.5	0.40	40	1.18	0.31	1.18	0.50	0.75 x 0.37
5609	100CT:1	22.0	1.20	100					
5610	200CT:1	90.0	2.00	200					
5611	500CT:1	350.0	7.5	500					
5612	800CT:1	850.0	15.0	800					
5613	1000CT:1	1400.0	24.5	1000					

FIGURE 1

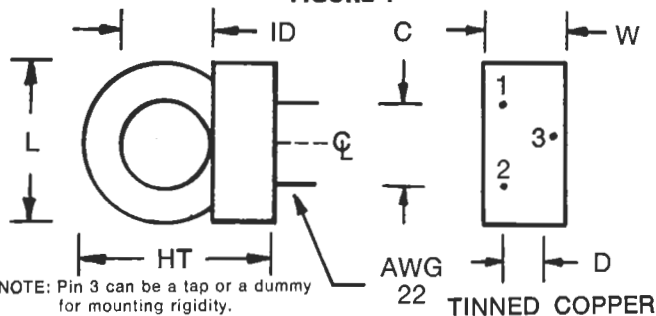
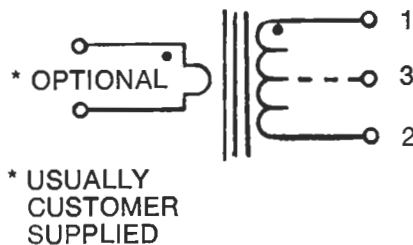


FIGURE 2



## HIGH FREQUENCY INVERTER TRANSFORMERS FOR SWITCHING POWER SUPPLIES UTILIZING NORMAL POWER TRANSISTORS AND MOSFETS

Output switching transformers for power levels from 10 watts to 1000 watts with low power losses. Switching frequencies from 5 KHz to 100 kHz. Many custom designs are available at the same prices as STD. components, when 250 parts or more are ordered.

Power	P/C Mount	L	W	HT	Pin Centers	Pin Dia.
20 W	8 Pins	.75	.70	.70	.514	.025 Sq.
50 W	10 Pins	1.03	.75	.80	.615	.025 Sq.
100 W	12 Pins	1.5	1.125	1.0	.862	.025 Sq.
200 W	12 Pins	1.62	1.40	1.25	.95	.025 Sq.
350 W	12 Pins	1.815	1.55	1.25	1.10	.025 Sq.

PIN SPACING 0.20 TYP.

OUTPUT VOLTAGE ON REQUEST