

# Power Inductors, Chokes

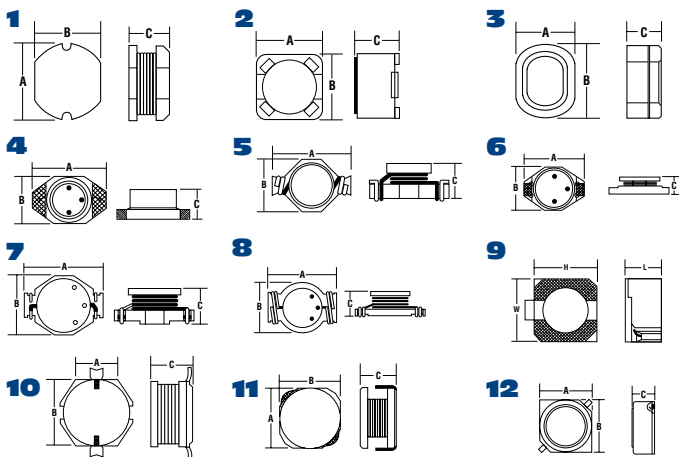
## Low DCR, High Current, SMD Product Ranges

ApX series	Size	Inductance Range	Test Frequency	DC CURRENT MAX	FIGURE
AL0302-xxx	3.5x3.1x2.2	3.3 - 68	2.52MHz - 1KHz	1.50 - 0.06A	1
AL0403-xxx	4.5x4.0x3.2	1.0 - 68	7.96MHz - 2.52MHz	2.56 - 0.37A	1
AL0504-xxx	5.7x5.3x4.5	10 - 220	2.52MHz - 1KHz	1.44 - 0.35A	1
AL0703-xxx	7.8x7.0x3.5	10 - 330	2.52MHz - 1KHz	1.44 - 0.28A	1
AL0705-xxx	7.8x7.0x5.0	10 - 470	2.52MHz - 1KHz	0.08 - 0.34A	1
AL1004-xxx	10.0x9.0x4.0	10 - 560	2.52MHz - 1KHz	2.38 - 0.32A	1
AL1005-xxx	10.0x9.0x5.4	10 - 820	2.52MHz - 1KHz	2.60 - 0.24A	1
AL0062-xxx	6.6x6.2x3.0	2.9 - 330	7.96MHz - 1KHz	1.94 - 0.19A	2
AL0064-xxx	6.6x6.2x5.0	2.9 - 330	7.96MHz - 1KHz	1.94 - 0.19A	2
AL0073-xxx	7.3x7.3x3.5	10 - 1000	1KHz	1.68 - 0.16A	2
AL0074-xxx	7.3x7.3x4.5	10 - 1000	1KHz	1.84 - 0.18A	2
AL0124-xxx	12.0x12.0x5.0	3.9 - 330	100KHz	6.50 - 0.50A	2
AL0125-xxx	12.0x12.0x6.0	1.3 - 1000	7.96MHz - 1KHz	8.00 - 0.40A	2
AL1027-xxx	12.0x12.0x8.0	1.2 - 1000	100KHz - 1KHz	9.80 - 0.55A	2
AL1063-xxx	5.6x6.2x3.2	10 - 68	2.52MHz	1.00 - 0.42A	3
AL1074-xxx	7.0x7.8x4.5	10 - 270	2.52MHz - 1KHz	1.65 - 0.33A	3
AL1105-xxx	9.0x10.0x5.0	10 - 470	2.52MHz - 1KHz	2.06 - 0.33A	3

ApX series	Size	Inductance Range	DC CURRENT MAX	FIGURE
AL1608-xxx	6.60x4.45x2.92	1.0 - 10000	3.0 - 0.02A	4
AL1608B-xxx	6.60x4.45x2.92	1.0 - 1000	2.90 - 0.10A	4
AL1813-xxx	8.89x6.10x5.00	0.56 - 47	7.7 - 0.87A	5
AL3308-xxx	13.00x9.40x3.00	10 - 1000	2.4 - 0.10A	6
AL3316-xxx	13.21x9.91x6.35	0.33 - 4.7	20.0 - 5.4A	7
AL3316B-xxx	12.95x9.40x5.21	1.0 - 1000	9.0 - 0.3A	6
AL3316C-xxx	12.95x9.40x5.08	1.0 - 47	5.6 - 1.0A	6
AL3340-xxx	12.95x9.40x11.43	10 - 1000	8.0 - 0.1A	6
AL5022-xxx	22.35x16.26x8.00	.078 - 15	30.0 - 8.0A	8
AL5022B-xxx	12.70x15.24x18.54	1.0 - 1000	20.0 - 1.0A	6
AL5022C-xxx	18.54x15.24x7.11	1.0 - 1000	8.0 - 0.8A	6
AL3416-xxx	3.80x3.80x1.80	1.5 - 100	1.55 - 0.17A	8
AL4418-xxx	4.70x4.70x2.00	1.0 - 39	1.72 - 0.30A	9
AL4428-xxx	4.70x4.70x3.00	1.2 - 180	2.56 - 0.22A	9
AL5418-xxx	5.70x5.70x2.00	4.1 - 100	1.95 - 0.36A	9
AL5428-xxx	5.70x5.70x3.00	2.6 - 100	2.60 - 0.42A	9
AL6428-xxx	6.70x6.70x3.00	3.0 - 100	3.0 - 0.54A	9
AL6438-xxx	6.70x6.70x4.00	3.3 - 100	3.5 - 0.65A	9
AL2346-xxx	4.40x4.40x3.10	1.0 - 270	1.34 - 0.12A	10
AL0628-xxx	6.00x6.00x3.20	2.6 - 100	7.2 - 1.0A	11
AL7028-xxx	7.00x7.00x2.80	3.3 - 47	1.6 - 0.54A	12
AL7030-xxx	12.50x12.50x3.00	3.3 - 100	1.8 - 0.35A	12
AL7032-xxx	12.5x12.5x3.2	3.3 - 1000	1.9 - 0.13A	12
AL7045-xxx	12.5x12.5x4.5	3.3 - 1000	2.5 - 0.14A	12
AL12555-xxx	12.5x12.5x5.5	6.0 - 1500	3.6 - 0.29A	12
AL12565-xxx	12.5x12.5x6.5	2.0 - 220	10.0 - 1.0A	12
AL12575-xxx	12.5x12.5x7.5	1.2 - 33	13.0 - 3.2A	12

AL Series for APX Power Inductors  
 XXX = Inductance code  
 ie: 4.7=4R7 10=100 100=101

## SMD Package Outlines



Additional related products: Current sensors, common and differential mode chokes, power factor controllers, HDL, HDL2, Transformers, Isolation Transformers, Driver Transformers, spring type air coils. Call or e-mail your requirements, and to request detailed data sheets and drawing

## Power Chokes, Very cost effective, high volume manufacturing

## Power Chokes Product Ranges

Vertical Bar Style, Figure 13

Series	Size Range (L X O.D)	Inductance Range	Rated Current Range
AC1xxx	30 x 15, p.15	3.3 -12	25 - 8.0A
AC1xxx	30 x 13, p.12.5	4.7 - 12	20 - 7.0A
AC1xxx	25 x 11, p.10	3.3 - 12	18 - 7.0A
AC1xxx	25 x 9, p.8	3.9 - 12	12 - 3.0A
AC1xxx	20 x 7, p.6.5	1.8 - 10	9.0 - 2.0A
AC1xxx	15 x 5, p.5	1.2 - 5.6	6.0 - 1.0A

Vertical Mount Drum Style, Figure 14

Series	Size Range (L X O.D)	Inductance Range	Rated Current Range
AC2xxx	8 x 5.5, p.5	22 - 4700	1.7 - 0.1A
AC2xxx	8 x 7.5, p.5	22 - 5600	2.0 - 0.1A
AC2xxx	8 x 9.5, p.5	10 - 2200	2.6 - 0.2A
AC2xxx	10.5 x 8, p.5.5	10 - 1000	4.5 - 0.45A
AC2xxx	12.5 x 10, p.8.5	10 - 390	6.0 - 1.0A
AC2xxx	15 x 15, p.10	27 - 1000	6.0 - 1.0A

Amorphous Toroidal Chokes, Figure 15

Series	Size (O.D. x Width Range)	Inductance Range	Rated Current Range
AC3xxx	19.0 - 19.5 x >10mm	15 - 300	5.0 - 1.0A
AC3xxx	23 x >15mm	45 - 600	6.0 - 1.0A
AC3xxx	27.5 - 29.0 x >20mm	30 - 700	10.0 - 2.0A
AC3xxx	32.5 - 34.0 x >20mm	26 - 480	15.0 - 3.0A
AC3xxx	44.5 - 45.0 x >20mm	14 - 500	20.0 - 3.0A
AC3xxx	32.5 - 33.0 x <20mm	30 - 800	20.0 - 4.0A
AC3xxx	44.0 - 45.0 x <20mm	50 - 800	25.0 - 6.0A
AC3xxx	46.5 - 47.0 x <20mm	50 - 800	25.0 - 8.0A
AC3xxx	54.5 - 57.0 x <20mm	34 - 800	30.0 - 8.0A

Iron Powder Toroidal Chokes, Figures 15

Series	Size (O.D. x Width Range)	Inductance Range	Rated Current Range
AC4xxx	15 - 17 x >14mm	10 - 150	5.0 - 1.0A
AC4xxx	20 - 21 x >14mm	120 - 600	3.0 - 1.0A
AC4xxx	22 - 23 x >14mm	30 - 700	5.0 - 1.0A
AC4xxx	24 - 25 x >14mm	40 - 600	5.0 - 1.0A
AC4xxx	25 x <14mm	20 - 400	15.0 - 2.0A
AC4xxx	29 x <14mm	25 - 500	10.0 - 2.0A
AC4xxx	33.0 - 34 x <14mm	18 - 300	20.0 - 3.0A
AC4xxx	40 x <14mm	25 - 300	20.0 - 5.0A

Notes: Bar types available for horizontal mounting  
 All toroids can be seated on bobbins

PART NUMBERS:

AC for APX chokes:

Vertical Bar Style: AC1xxx\*

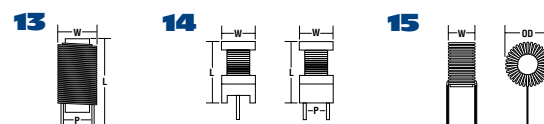
Drum: AC2xxx\*

Amorphous Toroidal: AC3xxx\*

Iron Powder Toroidal: AC4xxx\*

\*Inductance Code (next 3 characters: ie: 4.7 = 4R7 10 = 100 100 = 101)

## Package Outlines

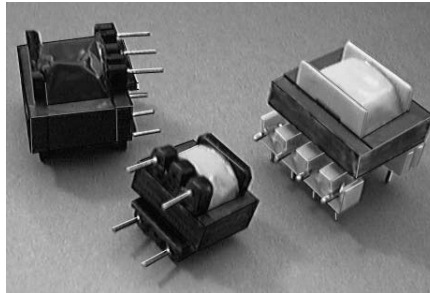


# AUDIO, COUPLING TRANSFORMERS

## General Purpose

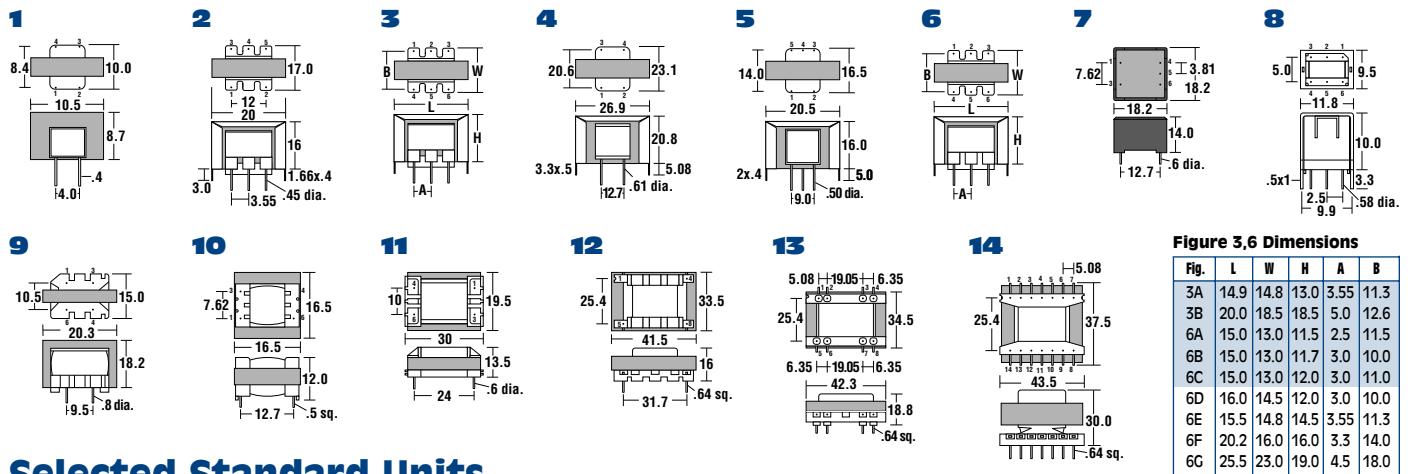
### Types:

- ◆ Audio impedance matching
- ◆ Coupling
- ◆ Modem
- ◆ Pulse
- ◆ ISDN and LAN
- ◆ Open or encapsulated construction
- ◆ PC or surface mount



APX excels in the design and production of telephone transformers. Modern offshore manufacturing with stringent quality control afford you the lowest, trouble-free installed cost.

We have the technical expertise to allow you to take your product's performance to where you want, whether your need is general purpose, a plug-in performance upgrade, or a totally new, specialized application.

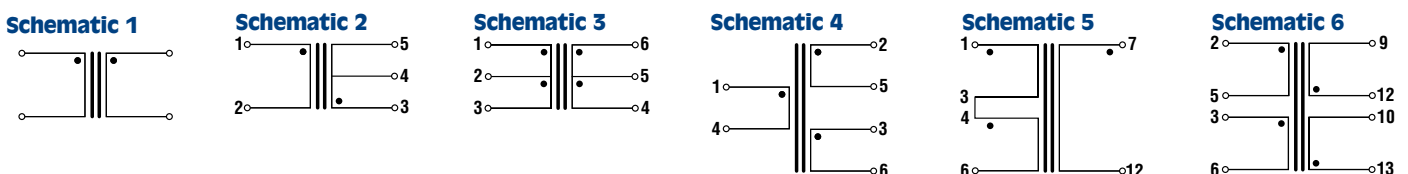


### Selected Standard Units

Secondary impedance indicates the terminating resistance value

Part Number	Impedance		Insertion Loss @1KHz	Return Loss Min @300Hz	Frequency Response 300 to 3500Hz	DCR ±10%		DC unbal. Current	Dielectric Strength,VAC	Figure/Schematic
	PRI	SEC				PRI	SEC			
AP2711	600	600	1.7 dB	14 dB	±1.0 dB	56	72	0	1200	1/1
AP6000	600 CT	470 CT	1.2 dB	16 dB	±.25 dB	68	102	0	1200	8/3
AP1698	20K CT	600 CT	NA	NA	±1.0 dB	700	65	0	1200	6A/3
AP1696	500 CT	500 CT	2.0 dB	21 dB	±.5 dB	44	34	0	1000	6B/3
AP1649	8K CT	1.7K CT	2.0 dB	NA	±1 dB	500	220	0	1000	6C/3
AP1544	500 CT	8 CT	1.8 dB	NA	±1 dB	32	1.5	0	1000	6D/3
AP6001	600	10K	0.5 dB	25 dB	±.15 dB	18	425	0	1250	10/1
AP1456	10K CT	2K CT	2.0 dB	NA	±2 dB	500	200	0	1000	3A/3
AP3120	600 CT	600 CT	1.8 dB	31 dB	±0.1 dB	60	50	0	1000	6E/3
AP1695	10K CT	5K CT	1.9 dB	NA	±0.5 dB	950	550	0	1000	6F/3
AP1156	620	620 CT	1.0 dB	34 dB	±0.5 dB	40	35	5 mA	1000	2/2
AP2697	600	600 CT	2.5 dB	8 dB	±3 dB	65	86	100 mA	1500	5/2
AP1160	300	600	1.2 dB	33 dB	±0.5 dB	30	50	0	1500	3B/4
AP1697	48 CT	8 CT	2.0 dB	NA	±1.0 dB	2.5	0.5	0	1200	6G/3
AP6002	12K	2.6K	1.0 dB	NA	±.25 dB	450	135	0	3750	7/1
AP6003	600	600	0.8 dB	26 dB	±0.5 dB	37	51	0	1250	9/1
AP1139	600	600	1.0 dB	13 dB	±1.0 dB	50	30	45 mA	1500	4/1
AP3214	600	600	1.8 dB	8 dB	±2.0 dB	72	100	80 mA	3750	11/1
AP6108	600 CT	600	1.2 dB	27 dB	±0.5 dB	65	80	80 mA	1500	3/5
AP3837	600	600	Telephone Feed Coil/1.5 H Min Inductance			210	210	80 mA	1500	12/1
AP2919	600	600	1.6 dB	26 dB	±0.5 dB	100	94	75 mA	1500	13/5
AP6004	600	600	0.5 dB	12 dB	±0.5 dB	20	20	100 mA	1500	14/6

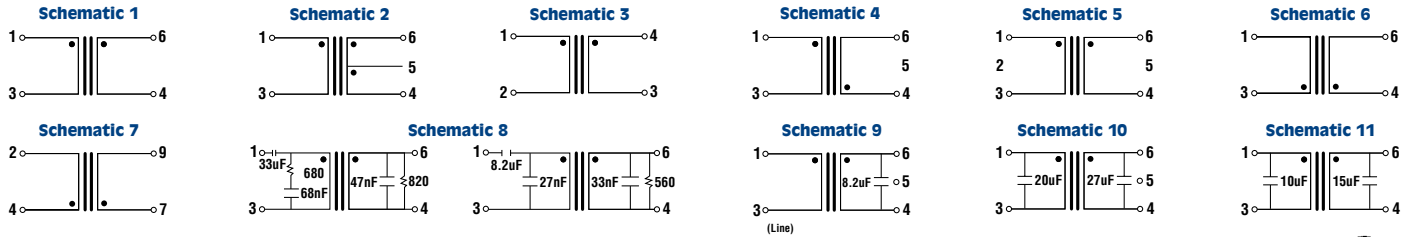
\* If not listed here, chances are we've made it anyway. Please Fax specs or drawing for a prompt response.



Note: All dimensions in millimeters. Specifications subject to change.



# TELECOMMUNICATIONS TRANSFORMERS



## Selected Standard Units

Secondary impedance indicates the terminating resistance value



Part Number	Impedance* Secondary	Inductance Min	Insertion Loss, Max @ 1KHz, 1 vrms	Return Loss, Typical @ 5KHz	DC Resistance ± 10%		Turns Ratio: 1:1 Unless as Noted	Frequency Response @ 1KHz to 5.5KHz	T.H.D. Max @ 600Hz, -10dBm	High-Pot KVAC	Application	Compatible To	Figure/Schematic
					PRI	SEC							
<b>PC Mount</b>													
AP6090	464		2.0 dB with 100 mADC in Pri	19.2 dB	80	100	.958:1	±1.5dB	-70 dB	1.25	9.6 Kbps	671-8271	1/1
AP6091	1200		1.6 dB with 90 mADC in Pri		75	190	.659:1	±0.5 dB		1.50	9.6 Kbps	671-1489	2/2
AP6092	385		3.0 dB with 100 mADC in Pri	19.3 dB	150	140		±2.0 dB	-84 dB	1.25	14.4 Kbps	671-8381	1/1
AP6093	560		1.6 dB with 90 mADC in Pri		75	100	.958:1	±0.75 dB		1.50	14.4 Kbps	671-8211	1/1
AP6094	535		1.4 dB with 90 mADC in Pri		75	100	.958:1	±0.5 dB		1.50	28.8 Kbps	671-8215	1/1
<b>Low Profile PC Mount</b>													
AP7007	563	1.3H	.85 dB	25 dB	43	43		±0.2 dB	-71 dB	1.25K	56 Kbps	671-1538	3/4
AP7008	374	8H	2.2 dB	15 dB	108	120		±0.25 dB	-82 dB	1.25K	56 Kbps	671-8262	3/4
AP6095	470		2.5 dB with 30 mADC in Pri	15 dB	108	120		±1.0 dB		1.25	14.4 Kbps	671-8001	4/3
AP6096	470		2.5 dB with 100 mADC in Pri	12 dB	108	120		±0.65 dB		1.25	14.4 Kbps	671-8005	4/3
AP6097	530	3H	1.0 dB	25 dB	43	43		±0.2 dB	-80 dB	1.25	56 Kbps	671-9372	5/3
AP6098	374	12H	2.0 dB	20 dB	108	120		±0.25 dB	-76 dB	1.25	56 Kbps	671-8025	5/3
AP6099	374	12H	2.0 dB	20 dB	108	120		±0.25 dB	-86 dB	1.25	56 Kbps	671-8056	5/3
AP7000	301	18H	3.0 dB	18 dB	150	150		±0.25 dB	-86 dB	1.25	56 Kbps	671-8079	5/3
AP7001	600	2.5H	1.0 dB	20 dB	25.1	20.3		±0.5 dB	-70 dB	1.25	56 Kbps	671-8000	5/3
AP7002	470		3.0 dB with 30 mADC in Pri	12 dB	108	120		±1.0 dB		1.50	Modem	671-8008	4/3
<b>Surface Mount</b>													
AP7003	301	1H	3.3 dB	25 dB	150	150		±0.15 dB	-76 dB	1.25	14.4 Kbps	671-8324 <sup>1</sup>	6/1
AP7004	301	1.2H	3.3 dB	25 dB	150	150		±0.15 dB	-80 dB	1.25	28.8 Kbps	671-8408 <sup>2</sup>	6/1
AP7005	316	1.5H	3.0 dB	25 dB	155	150		±0.5 dB	-83 dB	1.25	33.6 Kbps	671-8332	7/5
AP7006	290	6H	3.3 dB	30 dB	141	171		±0.1	-85 dB	1.25	56 Kbps	671-9921	8/1
AP7009	287	1.5H	3.5 dB	14 dB	155	145		±0.1 dB	-82 dB	1.65	56 Kbps	671-8481	9/1
AP7010	294	3H	3.5 dB	25 dB	156	145		±0.25 dB	-76 dB	1.25	28.8 Kbps	671-8274 <sup>3</sup>	10/5
AP7011	294	8H	3.5 dB	25 dB	156	145		±0.25 dB	-82 dB	1.25	56 Kbps	671-8392 <sup>4</sup>	10/7
AP7012	287	1.5H	3.5 dB	14 dB	155	145		±0.1 dB	-82 dB	1.65	56 Kbps	671-8489	9/1
AP7013	348	2.5H	3.0 dB	20 dB	130	160		±0.15 dB	-80	1.65	56 Kbps	50624	9/6

\* PRI & SEC=600 ohms Each (ref) Designed to reflect 600 ohms on PRI with shown load on sec @ 1KHz, 1vrms. Note: Longitudinal Balance Typical: 60 dB, 60 Hz - 1KHz, 40 dB, 1KHz - 4KHz

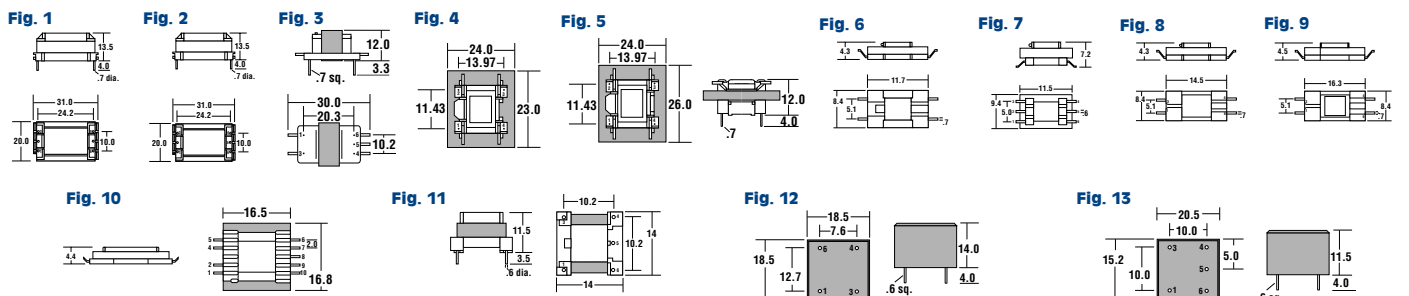
1 Alternative Terminal Offsets for 671-8340, 41, 42, 43  
2 Alternative Terminal Offsets for 671-8409, 10, 11, 12

3 Alternative Terminal Offsets for 671-8284, 8324, 8333  
4 Alternative Terminal Offsets for 671-8418, 19, 20

Part Number	Impedance Secondary	Inductance Typical	Insertion Loss Max @ 1KHz, 1 vrms	Return Loss Min @ 1KHz	DC Resistance ± 10%		Longitudinal Balance† (dB)	Turns Ratio: 1:1 Unless as Noted	Frequency Response @ 1KHz to 5.5KHz	T.H.D. Max @ 600Hz, -10dBm	High-Pot KVAC	Application	Compatible To	Figure/Schematic
					PRI	SEC								
<b>Pocket Laptop Modem</b>														
AP7015	600	9H	1.25 dB	21 dB	46.5	67.6		.92:1	±0.25 dB	-71 dB	1.25	9.6 Kbps	671-8255	11/1
AP7016	600	600mH (min)	1.50 dB	14 dB	52	59	60 to 4KHz		±0.5 dB	-68 dB	3.75	9.6 Kbps	671-8240	11/4
AP7017	442	12H	2.0 dB	21 dB	80	87			±0.25 dB	-76 dB	1.25	14.4 Kbps	671-8264	11/1
AP7018	442	1.1H (min)	2.0 dB	14 dB	86	91	60 to 4 KHz		±0.5 dB	-76 dB	3.75	14.4 Kbps	671-8265	11/4
AP7019	348	18H	3.25 dB	14 dB	152	151	60 to 4 KHz		±0.5 dB	-83.6 dB	3.75	56 Kbps	671-8291	11/4
<b>International, Encapsulated Modem</b>														
AP7020	470	13H	1.5 dB	21 dB	66	66	80 min		±0.4 dB	-68 dB	3.75	14.4 Kbps	671-8238	12/8
AP7021	472	1.5H on series	1.3 dB	14 dB	68	68			±0.2 dB	-76 dB	3.75	28.8 Kbps	671-8248	13/9
AP7022	470	13H	1.5 dB	21 dB	66	66	80 min		±0.4 dB	-85 min dB	3.75	33.6-56Kbps	671-8236	21/8
AP7023	385	12H on parallel	2.0 dB	14 dB	108	108	80 min		±0.2 dB	-80 min dB	3.75	33.6-56 Kbps	671-8334	13/10
AP7024	374	6H on parallel	2.5 dB	14 dB	108	108			±0.4 dB	-82 dB	3.75	33.6-56 Kbps	671-8285	12/11

\* PRI & SEC=600 ohms Each (ref) Designed to reflect 600 ohms on PRI with shown load on sec @ 1KHz, 1vrms  
† Longitudinal Balance: 60 dB min, 60 Hz-1KHz, 40 dB min, 1KHz-4KHz unless as noted

Fax or call for ADSL, HDSL, ISDN Transformers Requirements

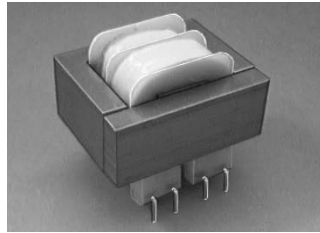


# POWER TRANSFORMERS



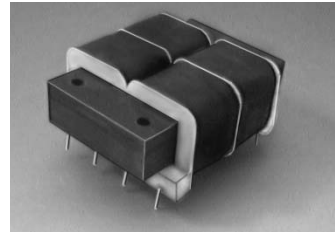
## Split Bobbin Horizontal PC Mount

- ◆ 2500 VRMS hipot/ Class B 130°C Insulation
- ◆ Single 115VAC or dual 115/230VAC primaries
- ◆ Single or dual secondaries for series or parallel connection
- ◆ Power ratings from 1.1 to 36VA



## Low Profile Horizontal PC Mount

- ◆ 1500 VRMS hipot/ Class B 130°C Insulation
- ◆ Single 115VAC or dual 115/230VAC primaries
- ◆ Single or dual secondaries for series or parallel connection
- ◆ Power ratings from 2 to 48VA



VA	Part Number*	Secondary RMS Rating	
		Series	Parallel
1.1	ST0110	10V CT @ 0.11A	5V @ 0.22A
2.4	ST0210	10V CT @ 0.25A	5V @ 0.5A
6.0	ST0610	10V CT @ 0.6A	5V @ 1.2A
12.0	ST1210	10V CT @ 1.2A	5V @ 2.4A
20.0	ST2010	10V CT @ 2.0A	5V @ 4.0A
36.0	ST3610	10V CT @ 3.6A	5V @ 7.2A
1.1	ST0112	12.6V CT @ 0.09A	6.3V @ 0.18A
2.4	ST0212	12.6V CT @ 0.2A	6.3V @ 0.4A
6.0	ST0612	12.6V CT @ 0.5A	6.3V @ 1.0A
12.0	ST1212	12.6V CT @ 1.0A	6.3V @ 2.0A
20.0	ST2012	12.6V CT @ 1.6A	6.3V @ 3.2A
36.0	ST3612	12.6V CT @ 2.85A	6.3V @ 5.7A
1.1	ST0116	16V CT @ 0.07A	8V @ 0.14A
2.4	ST0216	16V CT @ 0.15A	8V @ 0.3A
6.0	ST0616	16V CT @ 0.4A	8V @ 0.8A
12.0	ST1216	16V CT @ 0.8A	8V @ 1.6A
20.0	ST2016	16V CT @ 1.25A	8V @ 2.5A
36.0	ST3616	16V CT @ 2.25A	8V @ 4.5A
1.1	ST0120	20V CT @ 0.055A	10V @ 0.11A
2.4	ST0220	20V CT @ 0.12A	10V @ 0.24A
6.0	ST0620	20V CT @ 0.3A	10V @ 0.6A
12.0	ST1220	20V CT @ 0.6A	10V @ 1.2A
20.0	ST2020	20V CT @ 1.0A	10V @ 2.0A
36.0	ST3620	20V CT @ 1.8A	10V @ 3.6A
1.1	ST0124	24V CT @ 0.045A	12V @ 0.09A
2.4	ST0224	24V CT @ 0.1A	12V @ 0.2A
6.0	ST0624	24V CT @ 0.25A	12V @ 0.5A
12.0	ST1224	24V CT @ 0.5A	12V @ 1.0A
20.0	ST2024	24V CT @ 0.8A	12V @ 1.6A
36.0	ST3624	24V CT @ 1.5A	12V @ 3.0A
1.1	ST0128	28V CT @ 0.04A	14V @ 0.08A
2.4	ST0228	28V CT @ 0.085A	14V @ 0.17A
6.0	ST0628	28V CT @ 0.2A	14V @ 0.4A
12.0	ST1228	28V CT @ 0.42A	14V @ 0.84A
20.0	ST2028	28V CT @ 0.7A	14V @ 1.4A
36.0	ST3628	28V CT @ 1.3A	14V @ 2.6A
1.1	ST0136	36V CT @ 0.03A	18V @ 0.06A
2.4	ST0236	36V CT @ 0.065A	18V @ 0.13A
6.0	ST0636	36V CT @ 0.17A	18V @ 0.34A
12.0	ST1236	36V CT @ 0.35A	18V @ 0.7A
20.0	ST2036	36V CT @ 0.55A	18V @ 1.1A
36.0	ST3636	36V CT @ 1.0A	18V @ 2.0A
1.1	ST0148	48V CT @ 0.023A	24V @ 0.046A
2.4	ST0248	48V CT @ 0.05A	24V @ 0.1A
6.0	ST0648	48V CT @ 0.125A	24V @ 0.25A
12.0	ST1248	48V CT @ 0.25A	24V @ 0.5A
20.0	ST2048	48V CT @ 0.4A	24V @ 0.8A
36.0	ST3648	48V CT @ 0.75A	24V @ 1.5A
1.1	ST0156	56V CT @ 0.02A	28V @ 0.04A
2.4	ST0256	56V CT @ 0.045A	28V @ 0.09A
6.0	ST0656	56V CT @ 0.11A	28V @ 0.22A
12.0	ST1256	56V CT @ 0.22A	28V @ 0.44A
20.0	ST2056	56V CT @ 0.35A	28V @ 0.7A
36.0	ST3656	56V CT @ 0.65A	28V @ 1.3A
1.1	ST01120	120V CT @ 0.01A	60V @ 0.02A
2.4	ST02120	120V CT @ 0.02A	60V @ 0.04A
6.0	ST06120	120V CT @ 0.05A	60V @ 0.1A
12.0	ST12120	120V CT @ 0.1A	60V @ 0.2A
20.0	ST20120	120V CT @ 0.16A	60V @ 0.32A
36.0	ST36120	120V CT @ 0.3A	60V @ 0.6A

\* For Dual Primary Specify STD

## APX Power Transformer Capabilities:

### VDE Bobbins For international use

### High Frequency Ferrite bobbins

- Toroidal
- Multi-tap
- Planar
- Chokes
- Flyback

Custom designs from Micro power up and high volume at low cost

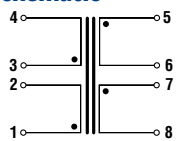
VA	Part Number*	Secondary RMS Rating	
		Series	Parallel
2.5	LP0210	10V CT @ .25A	5V @ .5A
6.0	LP0610	10V CT @ .6A	5V @ 1.2A
12.0	LP1210	10V CT @ 1.2A	5V @ 2.4A
24.0	LP2410	10V CT @ 2.4A	5V @ 4.8A
48.0	LP4810	10V CT @ 4.8A	5V @ 9.6A
2.5	LP0212	12.6V CT @ .2A	6.3V @ .4A
6.0	LP0612	12.6V CT @ .45A	6.3V @ .9A
12.0	LP1212	12.6V CT @ .9A	6.3V @ 1.8A
24.0	LP2412	12.6V CT @ 1.9A	6.3V @ 3.8A
48.0	LP4812	12.6V CT @ 3.8A	6.3V @ 7.6A
2.5	LP0216	16V CT @ .155A	8V @ .31A
6.0	LP0616	16V CT @ .35A	8V @ .7A
12.0	LP1216	16V CT @ .7A	8V @ 1.4A
24.0	LP2416	16V CT @ 1.5A	8V @ 3.0A
48.0	LP4816	16V CT @ 3.0A	8V @ 6.0A
2.5	LP0220	20V CT @ .125A	10V @ .25A
6.0	LP0620	20V CT @ .5A	10V @ .6A
12.0	LP1220	20V CT @ .6A	10V @ 1.2A
24.0	LP2420	20V CT @ 1.2A	10V @ 2.4A
48.0	LP4820	20V CT @ 2.4A	10V @ 4.8A
2.5	LP0224	24V CT @ .1A	12V @ .2A
6.0	LP0624	24V CT @ .25A	12V @ .5A
12.0	LP1224	24V CT @ .5A	12V @ 1.0A
24.0	LP2424	24V CT @ 1.0A	12V @ 2.0A
48.0	LP4824	24V CT @ 2.0A	12V @ 4.0A
2.5	LP0230	30V CT @ .085A	15V @ .170A
6.0	LP0630	30V CT @ .2A	15V @ .4A
12.0	LP1230	30V CT @ .4A	15V @ .8A
24.0	LP2430	30V CT @ .8A	15V @ 1.6A
48.0	LP4830	30V CT @ 1.6A	15V @ 3.2A
2.5	LP0234	34V CT @ .075A	17V @ .150A
6.0	LP0634	34V CT @ .17A	17V @ .34A
12.0	LP1234	34V CT @ .34A	17V @ .68A
24.0	LP2434	34V CT @ .7A	17V @ 1.4A
48.0	LP4834	34V CT @ 1.4A	17V @ 2.8A
2.5	LP0240	40V CT @ 0.6A	20V @ 1.2A
6.0	LP0640	40V CT @ 1.5A	20V @ 3A
12.0	LP1240	40V CT @ 3A	20V @ 6A
24.0	LP2440	40V CT @ 6A	20V @ 1.2A
48.0	LP4840	40V CT @ 1.2A	20V @ 2.4A
2.5	LP0256	56V CT @ 0.045A	28V @ 0.09A
6.0	LP0656	56V CT @ .1A	28V @ .2A
12.0	LP1256	56V CT @ .2A	28V @ .4A
24.0	LP2456	56V CT @ .425A	28V @ .85A
48.0	LP4856	56V CT @ .85A	28V @ 1.7A
2.5	LP0288	88V CT @ .028A	44V @ .056A
6.0	LP0688	88V CT @ .065A	44V @ .13A
12.0	LP1288	88V CT @ .13A	44V @ .26A
2.5	LP02120	120V CT @ 0.2A	60V @ 0.4A
6.0	LP06120	120V CT @ 0.5A	60V @ 1A
12.0	LP12120	120V CT @ 1A	60V @ 2A
2.5	LP02230	240V CT @ 0.1A	120V @ 0.2A
6.0	LP06230	240V CT @ 0.25A	120V @ 0.5A
12.0	LP12230	240V CT @ 0.5A	120V @ 1A

\* For Dual Primary Specify LPD

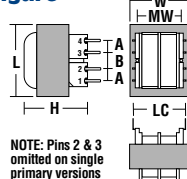
VA	L	W	H	A	B	LC	MW	Pin	Mtg.
1.1	34.9	28.6	23.8	6.4	6.4	30.5	—	1.05	—
2.4	34.9	28.6	30.1	6.4	6.4	30.5	—	1.05	—
6.0	41.3	33.3	33.3	6.4	8.9	32.5	26.9	1.05	#4
12.0	47.6	39.7	36.5	7.6	10.2	35.8	31.8	1.05	#4
20.0	57.2	47.6	36.5	7.6	10.2	40.6	38.1	1.05	#4
36.0	66.7	55.5	39.7	10.2	10.2	47.0	†	1.05	†

† Size 36VA has 4 mtg. holes on 55.37 x 44.45 centers for a #6 screw.

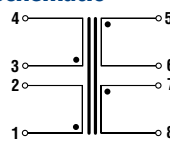
### Schematic



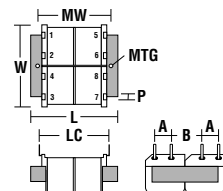
### Figure



### Schematic



### Figure



Note: All dimensions in millimeters. Specifications subject to change.

