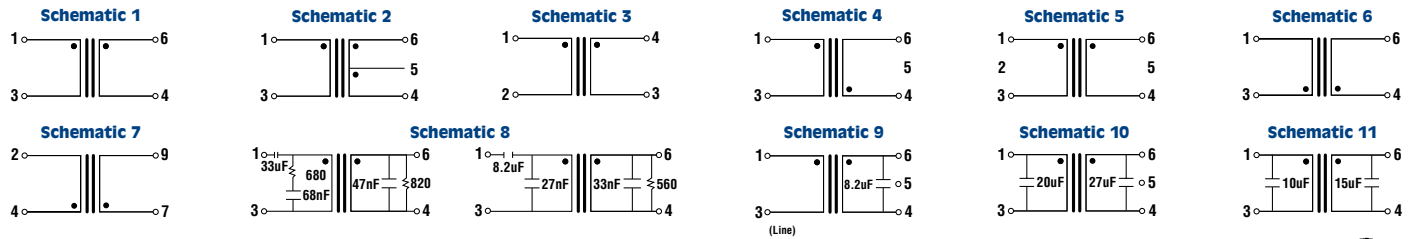


TELECOMMUNICATIONS TRANSFORMERS



Selected Standard Units

Secondary impedance indicates the terminating resistance value

Safety Approved

Part Number	Impedance* Secondary	Inductance Min	Insertion Loss, Max @ 1KHz, 1 vrms	Return Loss, Typical @ 5KHz	DC Resistance ± 10% PRI SEC	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
PC Mount												
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
Low Profile PC Mount												
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
Surface Mount												
AP7003	301	1H	3.3 dB	25 dB	150 150		±0.15 dB	-76 dB	1.25	14.4 Kbps	671-83241	6/1
AP7004	301	1.2H	3.3 dB	25 dB	150 150		±0.15 dB	-80 dB	1.25	28.8 Kbps	671-84082	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	671-82743	10/5
AP7011	294	8H	3.5 dB	25 dB	156 145		±0.25 dB	-82 dB	1.25	56 Kbps	671-83924	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% PRI SEC	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
Pocket Laptop Modem													
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
International, Encapsulated Modem													
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 66			±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

