

CATV AND WIRELESS SHORT FORM AMPLIFIER CHART

Phoenix Model #	Low Freq. (MHz.)	High Freq. (MHz.)	Min. Gain (dB.)	Typ. Gain (dB.)	Max. NF (dB.)	Typ. NF (dB.)	Min. Pout. (dBm.)	Typ. Pout. (dBm.)	Typ. IP3/IP2 (dBm.)	Typ. Isol. (dB.)	Nom. Volt. (volts)	Nom. Curr. (mA.)	Available Case Styles	CAT. Page #
CATV & High Intercept Push-Pull Amplifiers													<i>1 to 2000 MHz.</i>	
PA1033	1	200	17.0	18.0	5	4	26	30.0	47/70	22	10	250	FIG. 8,49	199
PA1047F	5	200	21.0	22.0	5.0	4.0	26.0	+30.0	44/60	28.0	+15	320	FIG. 8,49	211
PA1050	5	400	17.0	18.0	5.5	4.5	28.0	+30.0	44/60	24.0	+24	340	FIG. 8,49	212
PA1021	5	550	12.0	13.0	6.0	5.2	20	25.0	38/70	20	+15	148	FIG. 4,6,20,27	193
PA1026	5	550	12.0	13.0	6.0	5.0	22.0	25.0	38/70	20	-15	148	FIG. 4,6,20,27	193
PA1036	5	550	14	15	4.5	3.3	9.0	10.0	0.4	18	+15	45	FIG. 8,49	201
PA1022	5	550	15.0	16.0	5.5	4.5	22.0	25.0	38/70	22	+15	140	FIG. 4,6,20,27	194
PA1027	5	550	15.0	16.0	5.5	4.5	22.0	25.0	38/70	22	-15	140	FIG. 4,6,20,27	194
PA1041	5	550	15.0	16.0	4.5	3.1	9.0	10.0	24/60	19.0	+15	45	FIG. 8,4,9	206
PA1023	5	550	17.0	18.0	5.0	4.0	22.0	24.0	38/70	24	+15	140	FIG. 4,6,20,27	195
PA1028	5	550	17.0	18.0	5.0	4.0	22.0	24.0	38/70	24	-15	140	FIG. 4,6,20,27	195
PA1024	5	550	19.0	20.0	5.0	4.0	22.0	24.5	38/70	26	+15	140	FIG. 4,6,20,27	196
PA1029	5	550	19.0	20.0	5.0	4.0	22.0	24.5	38/70	26	-15	140	FIG. 4,6,20,27	196
PA1025	5	550	21.5	23.0	4.5	3.5	22.0	24.0	38/70	29	+15	140	FIG. 4,6,20,27	197
PA1030	5	550	21.5	23.0	4.5	3.5	22.0	24.0	38/70	29	-15	140	FIG. 4,6,20,27	197
PA1035	5	550	33.0	36.0	5.0	3.5	22.0	24.8	38/70	40	+15	210	FIG. 8,49	200
PA1045	500	2000	29.5	33.0	4.5	3.0	16.0	18.0	30/60	40.0	+12	390	FIG. 8,49	209
PA1037	500	2000	15.0	16.5	6.5	4.5	16.0	18.0	30/60	20	+12	300	FIG. 8,49	202
Cellular Amplifiers													<i>800 to 1000 MHz.</i>	
PA1040	800	960	13.0	12.0	1.25	0.7	18.0	20.0	34/37	18	+10	100	FIG. 31	205
PA6787C	820	850	18.0	19.0	9.5	5.6	22.0	25.0	35/38	25	+15	170	FIG. 20	247
PA1062	820	925	25.0	27.4	2.8	1.8	31	34.2	49	40	+15	720	FIG. 49	224
PA1007	800	900	13.0	14.0	2.0	1.3	20.0	22.5	33/43	24	+15	100	FIG 1,5,7,18,27	187
PA6695C	900	930	33.0	37.0	2.0	1.25	24.0	26.0	35/45	55	+15	180	FIG. 72	245
PA1032	800	960	28.5	30.0	1.4	0.9	26.0	27.5	45/51	45	+15	220	FIG. 14,34,36	198
PA974	850	950	24.0	25.5	1.3	1.1	10.0	12.0	20/30	35	+15	65	FIG 3,6,19	166
PA1043C	800	950	20.0	25.2	12.0	7.2	38.0	40.0	53/85	35	+15	4200	FIG. 42	207
PA1044C	800	950	35.0	40.0	1.5	0.80	26.0	27.5	45/52	50	+15	350	FIG. 45	208
PA1066	800	960	28.5	30.0	1.4	0.9	26.0	27.5	45/51	45	+15	220	FIG. 49	228
PA1067	800	960	14.5	16.0	3.0	2.2	26.0	27.8	45/52	22	+15	220	FIG. 50	229
PA1080	800	960	25.0	26.0	1.25	0.85	16.0	17.4	30/33	38	+15	97	FIG 14,34,36	237
PA1081	800	950	16.5	17.5	2.7	2.0	26.0	27.0	47/57	25	+15	200	FIG. 31	238
PA1082	800	960	15.0	16.5	6.0	4.5	19.5	20.5	31	16	+12	65	FIG 1,5,7,18,27	239
PA1001C	800	960	32.0	34.5	6.5	5.5	27.0	29.0	40/50	50	+24	650	FIG. 43	185
PA1039FF	800	960	14.5	16.0	3.0	2.2	26.0	27.8	45/52	22	+15	220	FIG. 31	204
PA1072	800	960	15.0	17.0	5.0	3.0	29.0	30.2	43	22	+12	450	FIG. 50	231
PA1073	800	960	8.5	9.8	7.0	5.2	32.0	34.3	48	18	+12	650	FIG. 49	232
PA1051	800	960	12.0	12.9	1.25	0.7	18.0	19.8	34/37	18	+10	100	FIG 1,5,7,18,27	213
PA991	870	960	19.5	23.5	1.2	0.9	2.0	2.7	11/19	38	+15	42	FIG. 8	180
PA1017	800	1000	18.0	20.0	1.8	1.4	+0.0	+2.0	12/22	30	+3.4	41	FIG 3,6,19	191
PA6692C	500	1000	30.0	31.0	5.0	3.0	14.0	15.0	25/33	30	+15	55	FIG. 20	242
PA179	800	1000	20.0	25.5	2.0	1.1	10.0	13.0	23/30	30	+15	65	FIG 3,6,19	42

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PCN Amplifiers													700 to 2100 MHz.	
PA6691C	700	2000	14.0	14.8	6.2	5.8	20.0	21.0	32/42	22	+15	150	FIG. 26	241
PA1076	1850	1910	11.5	13.2	2.2	1.7	20.0	21.5	33	20	+15	110	FIG. 50	235
PA959	1600	2000	11.0	14.8	2.5	1.9	15.5	16.0	26/36	19	+12	50	FIG 1,5,7,18,27	150
PA969	1600	2000	15.0	16.0	2.5	1.7	12.0	15.0	25/34	18	+12	55	FIG 1,5,7,18,27	160
PA971	1600	2000	9.0	10.0	5.0	3.5	20.0	22.8	33/38	12	+12	70	FIG 1,5,7,18,27	162
PA196	1700	2000	20.0	24.0	2.0	0.9	10.0	14.8	25	25	+15	65	FIG 3,6,19	48
PA1074	1800	2000	20.0	22.0	3.0	2.0	28.0	30.2	43	30	+12	600	FIG. 49	233
PA1075	1800	2000	22.0	24.0	2.5	1/8	20.0	21.5	32.5	30	+15	120	FIG. 49	234
PA950	1400	2100	28.0	29.5	2.8	2.0	10.0	12.0	22/27	50	+5/-5	120/10	FIG 8	141
GPS/VSAT Amplifiers													1200 to 2000 MHz.	
PA962	1530	1560	23.0	27.2	1.2	0.9	11.0	13.5	23/33	35	+12	65	FIG 3,6,19	153
PA1057C	1573	1577	38.0	40.0	2.0	9.4	10.0	13.0	23/25	60	+15	125	FIG. 39	219
PA1054C	1570	1580	24.0	26.0	3.0	2.5	5.0	8.0	18/28	35	+5	40	FIG. 39	216
PA992	1200	1600	18.0	20.0	1.8	1.4	0	+2.0	11/21	32	+3.4	41	FIG 3,6,19	181
PA986C	1200	1600	35.0	38.0	1.6	1.2	7.0	10.0	21/31	55	+15	75	FIG. 26	175
PA984	1200	1600	22.0	23.7	1.6	0.9	6.0	6.5	18/28	36	+5	48	FIG 3,6,19	173
PA961	1200	1600	23.0	25.0	1.6	1.3	12.0	14.0	24/34	36	+12	66	FIG 3,6,19	152
PA198	1400	1600	20.0	23.4	2.0	1.2	10.0	15.0	25/37	25	+15	60	FIG 3,6,19	50
PA958	1200	1700	23.0	24.0	2.5	1.7	11.0	15.0	26/36	35	+12	70	FIG 3,6,19	149
PA953	1200	1700	15.5	17.0	6.5	4.5	16.5	17.5	29/39	25	+12	125	FIG 3,6,19	144
PA1056	1300	1700	18.0	19.0	3.0	2.0	8.0	10.0	20/30	30	+5	65	FIG. 5	218
PA6786C	1500	1700	29.0	33.0	2.5	1.7	19.0	21.0	30/33	50	+15	170	FIG. 51	246
PA278	1500	1700	20.0	24.5	2.0	1.3	10	12	23/33	25	+15	65	FIG 3,6,19	60
PA6694C	1685	1705	38.0	40.0	1.5	1.0	10.0	15.2	23	60	+15	190	FIG. 74	244
PA1037	500	2000	15.0	16.5	6.5	4.5	16.0	18.0	30/60	20	+12	300	FIG. 8,49	202

SPECIFICATIONS COMMON TO ALL MODELS

1. All specifications are measured in a 50 ohm system.
2. CATV push-pull amplifiers can also be characterized for a 75 ohm system.
3. Pout is measured at the 1 dB compression point.
4. All specifications subject to change without notice.
5. If multiple case style are shown, the model # listed is for the first available case style. For example a PA1033 model # is for a flatpack amplifier per Fig. 8.

