

Tube (Octal)	mu	rp	Rk	Ik(mA)	B+	R15	R16	Input Gain	Input Gain dBs	Output Gain	Output in dBs	Zo
6AQ8	57	9700	100	10.0	300	93220	100k	28.1	29.0	0.97	-0.24	248
6AS7	2.23	234	55	100.0	100	5437	100k	1.1	0.9	0.60	-4.47	95
6AS7	2	310	205	75.0	150	0	100k	1.0	0.0	0.61	-4.28	220
6AS7	1.87	441	530	50.0	200	0	100k	0.9	-0.6	0.61	-4.24	456
6BK7	43	4600	200	10.0	300	91111	100k	21.2	26.5	0.97	-0.27	279
6BL7	14.80	3140	196	10.0	150	76190	100k	7.4	17.3	0.91	-0.83	343
6BL7	15.40	2470	94	20.0	200	77011	100k	7.7	17.7	0.91	-0.86	219
6BL7	15.40	2540	165	20.0	250	77011	100k	7.7	17.7	0.91	-0.79	283
6BL7	15.90	2200	114	30.0	300	77654	100k	7.9	18.0	0.91	-0.79	219
6BQ7	38.00	5900	191	10.0	300	90000	100k	18.7	25.5	0.96	-0.32	311
6BS8	36.00	5000	220	10.0	300	89474	100k	17.8	25.0	0.96	-0.33	321
6BX7	8.96	1760	267	10.0	100	63504	100k	4.5	13.0	0.87	-1.24	370
6BX7	9.44	1420	182	20.0	150	65035	100k	4.7	13.5	0.87	-1.21	273
6BX7	9.80	1270	158	30.0	200	66102	100k	4.9	13.8	0.87	-1.16	239
6BX7	10.10	1170	147	40.0	250	66942	100k	5.0	14.0	0.88	-1.13	220
6BX7	9.52	1730	542	20.0	300	65278	100k	4.7	13.5	0.89	-1.04	565
6CG7	20.50	10200	583	3.0	150	82222	100k	10.0	20.0	0.93	-0.59	827
6CG7	21.10	8960	397	5.0	200	82684	100k	10.4	20.3	0.93	-0.59	657
6CG7	21.00	9250	626	5.0	250	82609	100k	10.3	20.2	0.94	-0.56	820
6CG7	20.80	9840	1000	4.5	300	82456	100k	10.1	20.1	0.94	-0.53	1063
6CG7	21.40	8370	470	7.3	300	82906	100k	10.5	20.4	0.94	-0.56	686
6CG7	21.90	7530	243	10.0	300	83264	100k	10.8	20.7	0.93	-0.60	489
6CG7	21.80	7680	352	10.0	350	83193	100k	10.7	20.6	0.94	-0.57	576
6DJ8	30.20	3670	182	5.0	100	87578	100k	15.0	23.5	0.96	-0.39	273
6DJ8	30.70	2870	124	10.0	150	87768	100k	15.2	23.7	0.96	-0.39	199
6DJ8	30.00	2960	205	10.0	200	87500	100k	14.9	23.4	0.96	-0.37	274
6DJ8	29.60	3060	291	10.0	250	87342	100k	14.6	23.3	0.96	-0.36	350
6DJ8	28.60	3980	673	5.0	250	86928	100k	14.0	22.9	0.96	-0.35	667
6DJ8	28.30	4080	845	5.0	300	86799	100k	13.8	22.8	0.96	-0.34	787
6DJ8	28.90	3400	481	8.0	300	87055	100k	14.2	23.0	0.96	-0.35	511
6FQ7	See 6CG7											
6GM8	14.00	3400	187	2.0	24	75000	100k	7.0	16.8	0.90	-0.90	357
6H30	15.40	1140	69	20.0	100	77011	100k	7.7	17.7	0.91	-0.80	127
6H30	15.9	1040	74	30.0	150	76471	100k	7.9	18.0	0.92	-0.75	124
6H30	15.40	1310	221	20.0	200	90431	100k	7.7	17.7	0.92	-0.68	267
6H30	15.40	1380	294	20.0	250	89474	100k	7.7	17.7	0.93	-0.66	330
6H30	15.00	1670	530	15.0	300	89189	100k	7.4	17.4	0.93	-0.65	528
6N1P	39.8	12200	328	3.0	200	89189	100k	19.4	25.8	0.96	-0.32	539
6N1P	36.00	9480	221	5.0	250	75000	100k	17.7	25.0	0.96	-0.36	422
6N1P	35.00	956	642	5.0	300	94444	100k	17.1	24.7	0.97	-0.25	569
6N27P	14.00	3400	187	2.0	24	75000	100k	7.0	16.8	0.90	-0.90	357

6SL7	70.00	43000	1000	1.3	300	94444	100k	31.4	29.9	0.98	-0.17	1174
6SN7	20.50	10200	583	3.0	150	82222	100k	10.0	20.0	0.93	-0.59	827
6SN7	21.10	8960	397	5.0	200	82684	100k	10.4	20.3	0.93	-0.59	657
6SN7	21.00	9250	626	5.0	250	82609	100k	10.3	20.2	0.94	-0.56	820
6SN7	21.90	7530	243	10.0	300	83264	100k	10.8	20.7	0.93	-0.60	489
6SN7	21.10	9000	680	5.8	300	82684	100k	10.3	20.3	0.94	-0.54	846
6SN7	21.40	8360	470	7.2	300	82906						
6SN7	20.80	9840	1000	4.5	300	82456	100k	10.1	20.1	0.94	-0.53	1063
9AQ8	See 6AQ8											
12AT7	60.00	15000	270	3.7	200	93548	100k	29.1	29.3	0.98	-0.21	457
12AU7	17.00	9560	427	2.5	100	78947	100k	8.4	18.4	0.92	-0.75	757
12AU7	16.60	9570	741	3.0	150	78495	100k	8.1	18.2	0.92	-0.71	959
12AU7	16.70	9130	768	4.0	200	78610	100k	8.2	18.2	0.92	-0.69	959
12AU7	17.90	7440	336	8.0	250	79899	100k	8.8	18.9	0.92	-0.71	601
12AU7	18.10	7120	328	10.0	300	80100	100k	8.9	19.0	0.92	-0.70	581
12AV7	37.00	6100	120	9.0	200	89744	100k	18.3	25.3	0.96	-0.36	258
12AV7	41.00	4800	56	18.0	300	90698		20.4	26.2	0.96	-0.35	160
12AZ7	See 12AT7											
12AX7	100.00	80000	2000	0.5	200	96078	100k	39.0	31.8	0.99	-0.11	1719
12AX7	100.00	62500	1100	1.0	300	96078	100k	42.6	32.6	0.99	-0.12	1238
12B4	6.50	1050	138	15.0	80	52941	100k	3.2	10.2	0.82	-1.77	233
12B4	6.54	956	138	20.0	100	53162	100k	3.3	10.3	0.82	-1.74	222
12B4	6.80	736	96	40.0	150	54545	100k	3.4	10.6	0.82	-1.70	163
12B4	6.70	770	178	40.0	200	54023	100k	3.3	10.5	0.83	-1.58	233
12B4	6.46	925	383	30.0	250	52719	100k	3.2	10.2	0.84	-1.50	407
12B4	6.36	997	499	30.0	300	52153	100k	3.2	10.0	0.84	-1.49	497
12BH7	16.10	5480	340	4.0	100	77901	100k	8.0	18.0	0.92	-0.76	549
12BH7	15.70	6090	706	4.0	150	77401	100k	7.7	17.7	0.92	-0.71	826
12BH7	15.90	6140	787	5.0	200	77654	100k	7.8	17.8	0.92	-0.68	877
12BH7	17.40	4870	383	10.0	250	79381	100k	8.6	18.7	0.93	-0.67	541
12BH7	18.40	4300	267	15.0	300	80392	100k	9.1	19.2	0.93	-0.65	422
12BZ7	100.00	31800			300	96078	100k	48.5	33.7	0.98	-0.17	292
12DJ8	See 6DJ8											
12FQ7	See 6SN7											
12SL7	See 6SL7											
12SN7	See 6SN7											
12SX7	21.20	8750	218	5.0	80	82759	100k	10.5	20.4	0.93	-0.64	519
5687	18.10	1760	37	24.0	150	80100	100k	9.0	19.1	0.91	-0.78	119
5687	17.50	1970	132	20.0	200	79487	100k	8.7	18.8	0.92	-0.68	216
5687	17.40	2060	198	20.0	250	79381	100k	8.7	18.7	0.93	-0.65	276
5687	16.90	2440	397	15.0	300	78836	100k	8.4	18.5	0.93	-0.62	455
5691	See 6SL7											
5692	See 6SN7											

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