

	Alignment Details				Box Design				Auxiliary Circuits				Approximately Constant Quantities	
	No.	Type	k	Ripple (db)	$f_3/f_s$	$f_3/f_b$	$C_{as}/C_{ab}$	$Q_t$	$f_{aux}/f_3$	$y_{aux}$	Peak Lift (db)	$f_{pk}/f_3$	$\frac{C_{as}f_s^2}{C_{ab}f_3^2}$	$\frac{Q_t f_b}{f_s}$
Quasi-Third Order	1	QB <sub>3</sub>	—	—	2.68	1.34	10.48	.180	—	—	—	—	1.47	.360
	2	QB <sub>3</sub>	—	—	2.28	1.32	7.48	.209	—	—	—	—	1.44	.362
	3	QB <sub>3</sub>	—	—	1.77	1.25	4.46	.259	—	—	—	—	1.43	.367
	4	QB <sub>3</sub>	—	—	1.45	1.18	2.95	.303	—	—	—	—	1.41	.371
Fourth Order	5	B <sub>4</sub>	1.0	—	1.000	1.000	1.414	.383	—	—	—	—	1.41	.383
	6	C <sub>4</sub>	.8	—	.867	.935	1.055	.415	—	—	—	—	1.41	.384
	7	C <sub>4</sub>	.6	0.2	.729	.879	.729	.466	—	—	—	—	1.37	.386
	8	C <sub>4</sub>	—	0.9	.641	.847	.559	.518	—	—	—	—	1.36	.392
	9*	C <sub>4</sub>	—	1.8	.600	.838	.485	.557	—	—	—	—	1.35	.398
Fifth Order	10	B <sub>5</sub>	1.0	—	1.000	1.000	1.000	.447	1.00	—	—	—	—	—
	11	C <sub>5</sub>	.7	—	.852	.934	.583	.545	1.43	—	—	—	—	—
	12	C <sub>5</sub>	.4	0.25	.724	.889	.273	.810	2.50	—	—	—	—	—
	13	C <sub>5</sub>	.355	0.5	.704	.882	.227	.924	2.93	—	—	—	—	—
	14	C <sub>5</sub>	.278	1.0	.685	.877	.191	1.102	3.60	—	—	—	—	—
Sixth Order Class I	15	B <sub>6</sub>	1.0	—	1.000	1.000	2.73	.299	1.00	-1.732	+ 6.0	1.07	—	—
	16	C <sub>6</sub>	.8	—	.850	.868	2.33	.317	1.01	-1.824	+ 7.7	1.06	—	—
	17	C <sub>6</sub>	.6	—	.698	.750	1.81	.348	1.02	-1.899	+10.1	1.05	—	—
	18	C <sub>6</sub>	.5	—	.620	.698	1.51	.371	1.03	-1.930	+11.6	1.05	—	—
	19	C <sub>6</sub>	.414	0.1	.554	.659	1.25	.399	1.04	-1.951	+13.2	1.04	—	—
Sixth Order Class II	20	B <sub>6</sub>	1.0	—	1.000	1.000	1.000	.408	1.00	0	—	—	—	—
	21	C <sub>6</sub>	.8	—	.844	.954	.722	.431	1.10	-.438	+ 0.2	2.36	—	—
	22	C <sub>6</sub>	.6	—	.677	.917	.500	.461	1.21	-.941	+ 1.1	1.77	—	—
	23	C <sub>6</sub>	.5	—	.592	.902	.414	.484	1.27	-1.200	+ 1.9	1.63	—	—
	24	C <sub>6</sub>	.414	0.1	.520	.890	.353	.513	1.31	-1.414	+ 3.0	1.55	—	—
	25	C <sub>6</sub>	.268	0.6	.404	.876	.276	.616	1.37	-1.732	+ 6.0	1.47	—	—
Sixth Order Class III	26	B <sub>6</sub>	1.0	—	1.000	1.000	.732	.518	1.00	+1.732	—	—	—	—
	27	C <sub>6</sub>	.268	0.6	.778	.911	.110	1.503	2.73	0	—	—	—	—
	28	QB <sub>3</sub>	—	—	.952	.980	1.89	.328	1.08 mean	—	6.0	0	—	—

Table I. Summary of loudspeaker alignments.