10B-STD, 10B-SUB and 10B-LR Crossovers Frequency/Resistor Tables

The 10B-SUB (for sub-woofer applications) and 10B-STD ("standard" for general purpose applications) are exactly the same except for the set of crossover frequencies available via the front panel controls. The 10B-LR, however, is a very different crossover. All three crossovers are housed in a single rack height cabinet and all three are stereo units.

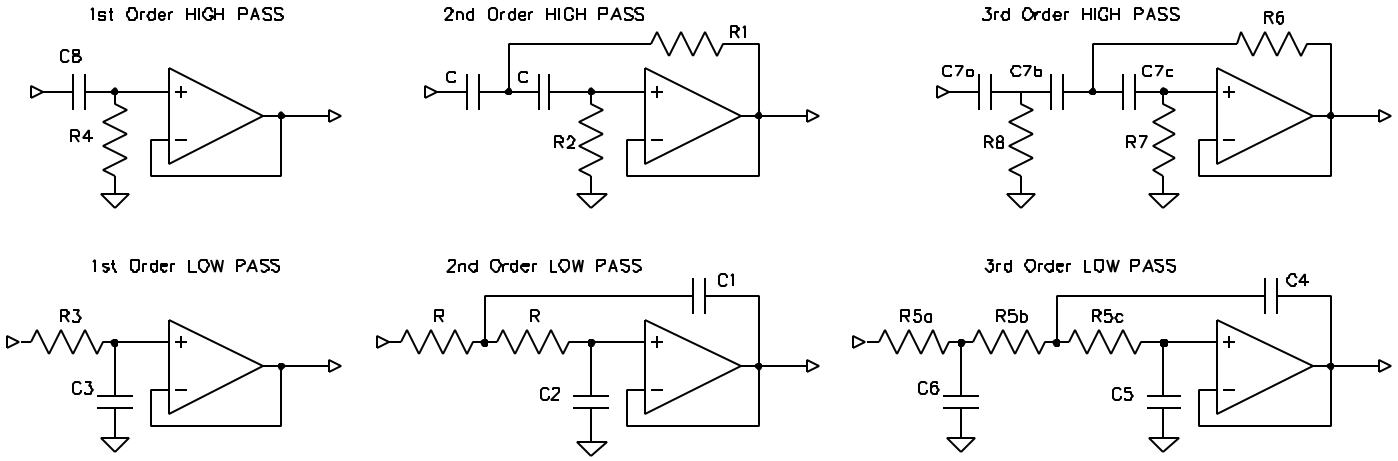
The 10B-SUB, since it is intended for sub-woofer applications, has a low frequency set of crossover points, between 40Hz and 500Hz.

The 10B-STD, intended for general purpose bi-amp or tri-amp applications, has a much broader set of crossover frequencies spaced between 70Hz and 4500Hz.

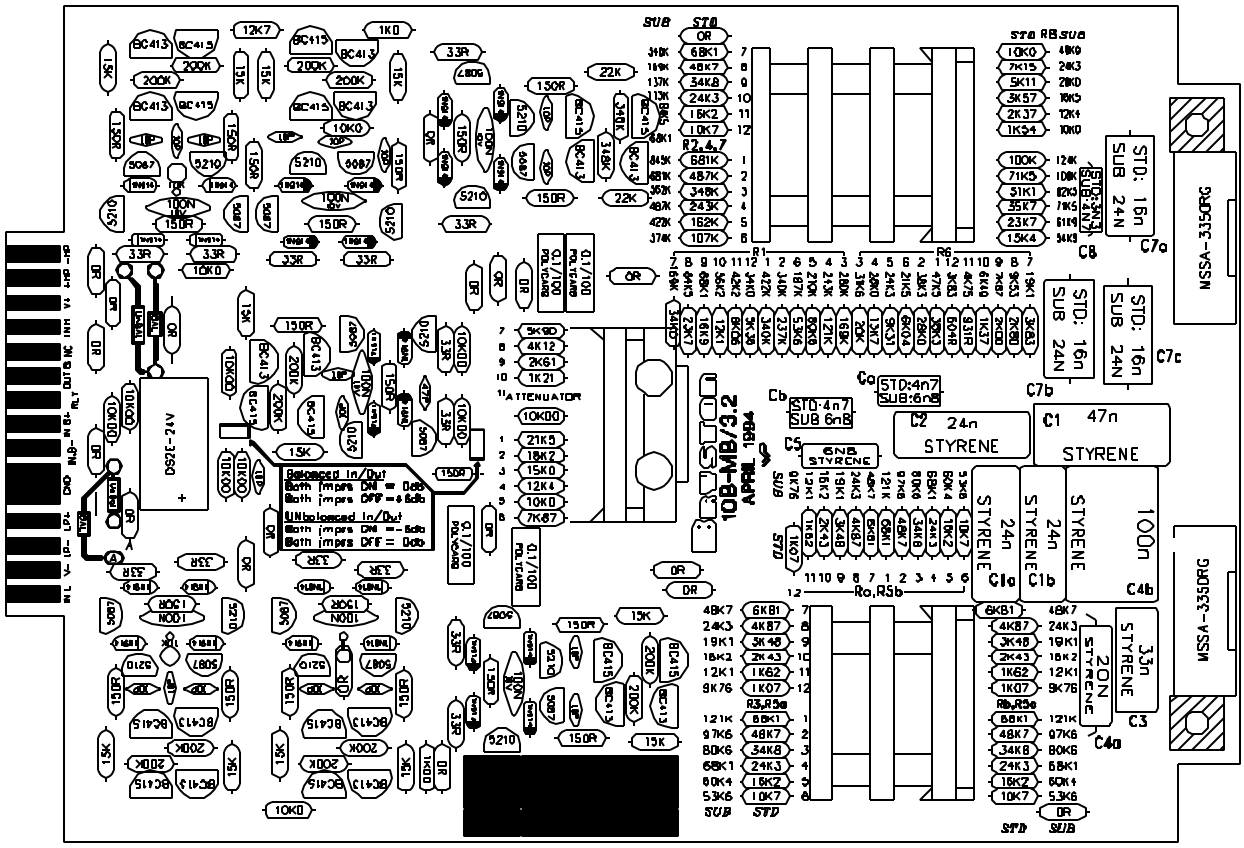
The 10B-LR employs Linkwitz-Riley filters (24dB/octave) and has no front panel controls for setting the crossover points. Instead, the crossover points are determined by eight pairs of resistors. Each pair of resistors is located on a separate programming board (10B-LRPB) and each channel contains 4 programming boards. The circuitry for each channel is located on its own crossover board, and each crossover board contains both a low pass and a high pass Linkwitz-Riley filter. In some cases, the programming boards are dispensed with and the pairs of programming resistors are soldered directly onto the crossover channel boards. Since a Linkwitz-Riley filter is formed by cascading two 2nd order filters, use only the 2nd order tables in the ***10B-LR Frequency/Reisistor Tables*** beginning on page 22 for determining the correct resistor values.

Due to ongoing difficulty in obtaining precision polystyrene capacitors in all values, we have had to substitute capacitor values from time to time. Therefore the 2nd order low pass capacitors (C1a, C1b, C2a & C2b(may be either 20nF, 22nF or 24nF. Also, please note that C1 is actually formed by paralleling two capacitors of the same value. Parallel capacitors are also used, on occasion, to produce other values of capacitance where needed. The value of two capacitors in parallel is equal to the sum of the two capacitances. Also note that sometimes a parallel capacitor may be soldered to the underside of the channel board, so remove the board (after disconnecting the power, of course) and check.

Since the crossover point of a filter is determined by the combination of the capacitor *and* resistor values, altering the capacitor values slightly can be easily compensated for by similarly altering the relevant resistor values. Therefore, there are several tables for use with different sets of capacitors. Always check all capacitor values with those listed at the beginning of each table before attempting to change any of the installed components.



10B-STD Crossovers Frequency/Resistor Tables



10B-STD Crossovers Frequency/Resistor Tables

1% resistors from 499R to 301K and the corresponding crossover frequencies for each. Calculations are based on the following capacitor values:

	LOW pass	HIGH pass
1st order:	C3=33n	C8=3n3
2nd order:	C1=48n, C2=24n	Ca & Cb=4n7
3rd order:	C4=120n, C5=6n8, C6=47n	C7(abc)= 16n

1st ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER Pg. 1-1

Low pass capacitors: C3=33n High Pass capacitors: C8=3n3

CROSSOVER FREQ.	LOW PASS R3	HIGH PASS R4	CROSSOVER FREQ.	LOW PASS R3	HIGH PASS R4
9665 Hz	499R	4K990	9438 Hz	511R	5K110
9222 Hz	523R	5K230	8998 Hz	536R	5K360
8785 Hz	549R	5K490	8582 Hz	562R	5K620
8373 Hz	576R	5K760	8174 Hz	590R	5K900
7985 Hz	604R	6K040	7791 Hz	619R	6K190
7607 Hz	634R	6K340	7431 Hz	649R	6K490
7252 Hz	665R	6K650	7082 Hz	681R	6K810
6910 Hz	698R	6K980	6745 Hz	715R	7K150
6589 Hz	732R	7K320	6431 Hz	750R	7K500
6280 Hz	768R	7K680	6128 Hz	787R	7K870
5984 Hz	806R	8K060	5846 Hz	825R	8K250
5708 Hz	845R	8K450	5569 Hz	866R	8K660
5437 Hz	887R	8K870	5306 Hz	909R	9K090
5180 Hz	931R	9K310	5061 Hz	953R	9K530
4941 Hz	976R	9K760	4823 Hz	1K000	10K000
4728 Hz	1K020	10K200	4593 Hz	1K050	10K500
4507 Hz	1K070	10K700	4384 Hz	1K100	11K000
4268 Hz	1K130	11K300	4194 Hz	1K150	11K500
4087 Hz	1K180	11K800	3986 Hz	1K210	12K100
3889 Hz	1K240	12K400	3798 Hz	1K270	12K700
3710 Hz	1K300	13K000	3626 Hz	1K330	13K300
3520 Hz	1K370	13K700	3445 Hz	1K400	14K000
3373 Hz	1K430	14K300	3281 Hz	1K470	14K700
3215 Hz	1K500	15K000	3132 Hz	1K540	15K400
3052 Hz	1K580	15K800	2977 Hz	1K620	16K200
2923 Hz	1K650	16K500	2854 Hz	1K690	16K900
2772 Hz	1K740	17K400	2709 Hz	1K780	17K800
2650 Hz	1K820	18K200	2579 Hz	1K870	18K700
2525 Hz	1K910	19K100	2461 Hz	1K960	19K600
2411 Hz	2K000	20K000	2353 Hz	2K050	20K500
2297 Hz	2K100	21K000	2243 Hz	2K150	21K500
2182 Hz	2K210	22K100	2134 Hz	2K260	22K600
2079 Hz	2K320	23K200	2035 Hz	2K370	23K700
1985 Hz	2K430	24K300	1937 Hz	2K490	24K900
1891 Hz	2K550	25K500	1848 Hz	2K610	26K100
1806 Hz	2K670	26K700	1760 Hz	2K740	27K400
1722 Hz	2K800	28K000	1680 Hz	2K870	28K700
1640 Hz	2K940	29K400	1602 Hz	3K010	30K100
1561 Hz	3K090	30K900	1526 Hz	3K160	31K600
1489 Hz	3K240	32K400	1453 Hz	3K320	33K200
1418 Hz	3K400	34K000	1386 Hz	3K480	34K800
1351 Hz	3K570	35K700	1321 Hz	3K650	36K500
1290 Hz	3K740	37K400	1259 Hz	3K830	38K300
1230 Hz	3K920	39K200	1200 Hz	4K020	40K200

10B-STD Crossovers Frequency/Resistor Tables

1st ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER Pg. 1-2
Low pass capacitors: C3=33n High Pass capacitors: C8=3n3

CROSSOVER FREQ.	LOW PASS R3	HIGH PASS R4	CROSSOVER FREQ.	LOW PASS R3	HIGH PASS R4
1171 Hz	4K120	41K200	1143 Hz	4K220	42K200
1116 Hz	4K320	43K200	1091 Hz	4K420	44K200
1065 Hz	4K530	45K300	1039 Hz	4K640	46K400
1015 Hz	4K750	47K500	990 Hz	4K870	48K700
967 Hz	4K990	49K900	944 Hz	5K110	51K100
922 Hz	5K230	52K300	900 Hz	5K360	53K600
878 Hz	5K490	54K900	858 Hz	5K620	56K200
837 Hz	5K760	57K600	817 Hz	5K900	59K000
798 Hz	6K040	60K400	779 Hz	6K190	61K900
761 Hz	6K340	63K400	743 Hz	6K490	64K900
725 Hz	6K650	66K500	708 Hz	6K810	68K100
691 Hz	6K980	69K800	675 Hz	7K150	71K500
659 Hz	7K320	73K200	643 Hz	7K500	75K000
628 Hz	7K680	76K800	613 Hz	7K870	78K700
598 Hz	8K060	80K600	585 Hz	8K250	82K500
571 Hz	8K450	84K500	557 Hz	8K660	86K600
544 Hz	8K870	88K700	531 Hz	9K090	90K900
518 Hz	9K310	93K100	506 Hz	9K530	95K300
494 Hz	9K760	97K600	482 Hz	10K000	100K00
473 Hz	10K200	102K00	459 Hz	10K500	105K00
451 Hz	10K700	107K00	438 Hz	11K000	110K00
427 Hz	11K300	113K00	419 Hz	11K500	115K00
409 Hz	11K800	118K00	399 Hz	12K100	121K00
389 Hz	12K400	124K00	380 Hz	12K700	127K00
371 Hz	13K000	130K00	363 Hz	13K300	133K00
352 Hz	13K700	137K00	344 Hz	14K000	140K00
337 Hz	14K300	143K00	328 Hz	14K700	147K00
322 Hz	15K000	150K00	313 Hz	15K400	154K00
305 Hz	15K800	158K00	298 Hz	16K200	162K00
292 Hz	16K500	165K00	285 Hz	16K900	169K00
277 Hz	17K400	174K00	271 Hz	17K800	178K00
265 Hz	18K200	182K00	258 Hz	18K700	187K00
253 Hz	19K100	191K00	246 Hz	19K600	196K00
241 Hz	20K000	200K00	235 Hz	20K500	205K00
230 Hz	21K000	210K00	224 Hz	21K500	215K00
218 Hz	22K100	221K00	213 Hz	22K600	226K00
208 Hz	23K200	232K00	203 Hz	23K700	237K00
198 Hz	24K300	243K00	194 Hz	24K900	249K00
189 Hz	25K500	255K00	185 Hz	26K100	261K00
181 Hz	26K700	267K00	176 Hz	27K400	274K00
172 Hz	28K000	280K00	168 Hz	28K700	287K00
164 Hz	29K400	294K00	160 Hz	30K100	301K00
156 Hz	30K900	309K00	153 Hz	31K600	316K00
149 Hz	32K400	324K00	145 Hz	33K200	332K00
142 Hz	34K000	340K00	139 Hz	34K800	348K00
135 Hz	35K700	357K00	132 Hz	36K500	365K00
129 Hz	37K400	374K00	126 Hz	38K300	383K00
123 Hz	39K200	392K00	120 Hz	40K200	402K00
117 Hz	41K200	412K00	114 Hz	42K200	422K00
112 Hz	43K200	432K00	109 Hz	44K200	442K00
106 Hz	45K300	453K00	104 Hz	46K400	464K00
102 Hz	47K500	475K00	99 Hz	48K700	487K00
97 Hz	49K900	499K00	94 Hz	51K100	511K00
92 Hz	52K300	523K00	90 Hz	53K600	536K00
88 Hz	54K900	549K00	86 Hz	56K200	562K00

10B-STD Crossovers Frequency/Resistor Tables

1st ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER Pg. 1-3
Low pass capacitors: C3=33n | High Pass capacitors: C8=3n3

CROSSOVER FREQ.	LOW PASS R3	HIGH PASS R4	CROSSOVER FREQ.	LOW PASS R3	HIGH PASS R4
84 Hz	57K600	576K00	82 Hz	59K000	590K00
80 Hz	60K400	604K00	78 Hz	61K900	619K00
76 Hz	63K400	634K00	74 Hz	64K900	649K00
73 Hz	66K500	665K00	71 Hz	68K100	681K00
69 Hz	69K800	698K00	67 Hz	71K500	715K00
66 Hz	73K200	732K00	64 Hz	75K000	750K00
63 Hz	76K800	768K00	61 Hz	78K700	787K00
60 Hz	80K600	806K00	58 Hz	82K500	825K00
57 Hz	84K500	845K00	56 Hz	86K600	866K00
54 Hz	88K700	887K00	53 Hz	90K900	909K00
52 Hz	93K100	931K00	51 Hz	95K300	953K00
49 Hz	97K600	976K00	48 Hz	100K00	1M0000
47 Hz	102K00	1M0200	46 Hz	105K00	1M0500
45 Hz	107K00	1M0700	44 Hz	110K00	1M1000
43 Hz	113K00	1M1300	42 Hz	115K00	1M1500
41 Hz	118K00	1M1800	40 Hz	121K00	1M2100
39 Hz	124K00	1M2400	38 Hz	127K00	1M2700
37 Hz	130K00	1M3000	36 Hz	133K00	1M3300
35 Hz	137K00	1M3700	34 Hz	140K00	1M4000
34 Hz	143K00	1M4300	33 Hz	147K00	1M4700
32 Hz	150K00	1M5000	31 Hz	154K00	1M5400
31 Hz	158K00	1M5800	30 Hz	162K00	1M6200
29 Hz	165K00	1M6500	29 Hz	169K00	1M6900
28 Hz	174K00	1M7400	27 Hz	178K00	1M7800
26 Hz	182K00	1M8200	26 Hz	187K00	1M8700
25 Hz	191K00	1M9100	25 Hz	196K00	1M9600
24 Hz	200K00	2M0000	24 Hz	205K00	2M0500
23 Hz	210K00	2M1000	22 Hz	215K00	2M1500
22 Hz	221K00	2M2100	21 Hz	226K00	2M2600
21 Hz	232K00	2M3200	20 Hz	237K00	2M3700
20 Hz	243K00	2M4300	19 Hz	249K00	2M4900
19 Hz	255K00	2M5500	18 Hz	261K00	2M6100
18 Hz	267K00	2M6700	18 Hz	274K00	2M7400
17 Hz	280K00	2M8000	17 Hz	287K00	2M8700
16 Hz	294K00	2M9400	16 Hz	301K00	3M0100

Formulas for 1ST order LOW pass filter are as follows:

PI = 3.14159 C3 = given
R3 = 1 / (2 * PI * Fc * C3) Fc = 1 / (2 * PI * C3 * R3)

Formulas for 1ST order HIGH pass filter are as follows:

PI = 3.14159 C8 = given
R4 = 1 / (2 * PI * Fc * C8) Fc = 1 / (2 * PI * C8 * R4)

10B-STD Crossovers Frequency/Resistor Tables

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=48n, C2=24n | High Pass: C(ab)=4n7 Pg.2-1

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2
9399 Hz	499R	2K550	5K110	9178 Hz	511R	2K610	5K230
8967 Hz	523R	2K670	5K360	8750 Hz	536R	2K740	5K490
8543 Hz	549R	2K800	5K620	8345 Hz	562R	2K870	5K760
8142 Hz	576R	2K940	5K900	7949 Hz	590R	3K010	6K040
7765 Hz	604R	3K090	6K190	7577 Hz	619R	3K160	6K340
7397 Hz	634R	3K240	6K490	7226 Hz	649R	3K320	6K650
7052 Hz	665R	3K400	6K810	6887 Hz	681R	3K480	6K980
6719 Hz	698R	3K570	7K150	6559 Hz	715R	3K650	7K320
6407 Hz	732R	3K740	7K500	6253 Hz	750R	3K830	7K680
6107 Hz	768R	3K920	7K870	5959 Hz	787R	4K020	8K060
5819 Hz	806R	4K120	8K250	5685 Hz	825R	4K220	8K450
5550 Hz	845R	4K320	8K660	5416 Hz	866R	4K420	8K870
5287 Hz	887R	4K530	9K090	5159 Hz	909R	4K640	9K310
5037 Hz	931R	4K750	9K530	4921 Hz	953R	4K870	9K760
4805 Hz	976R	4K990	10K000	4690 Hz	1K000	5K110	10K200
4598 Hz	1K020	5K230	10K500	4467 Hz	1K050	5K360	10K700
4383 Hz	1K070	5K490	11K000	4264 Hz	1K100	5K620	11K300
4150 Hz	1K130	5K760	11K500	4078 Hz	1K150	5K900	11K800
3974 Hz	1K180	6K040	12K100	3876 Hz	1K210	6K190	12K400
3782 Hz	1K240	6K340	12K700	3693 Hz	1K270	6K490	13K000
3608 Hz	1K300	6K650	13K300	3526 Hz	1K330	6K810	13K700
3423 Hz	1K370	6K980	14K000	3350 Hz	1K400	7K150	14K300
3280 Hz	1K430	7K320	14K700	3190 Hz	1K470	7K500	15K000
3127 Hz	1K500	7K680	15K400	3045 Hz	1K540	7K870	15K800
2968 Hz	1K580	8K060	16K200	2895 Hz	1K620	8K250	16K500
2842 Hz	1K650	8K450	16K900	2775 Hz	1K690	8K660	17K400
2695 Hz	1K740	8K870	17K800	2635 Hz	1K780	9K090	18K200
2577 Hz	1K820	9K310	18K700	2508 Hz	1K870	9K530	19K100
2455 Hz	1K910	9K760	19K600	2393 Hz	1K960	10K000	20K000
2345 Hz	2K000	10K200	20K500	2288 Hz	2K050	10K500	21K000
2233 Hz	2K100	10K700	21K500	2181 Hz	2K150	11K000	22K100
2122 Hz	2K210	11K300	22K600	2075 Hz	2K260	11K500	23K200
2021 Hz	2K320	11K800	23K700	1979 Hz	2K370	12K100	24K300
1930 Hz	2K430	12K400	24K900	1883 Hz	2K490	12K700	25K500
1839 Hz	2K550	13K000	26K100	1797 Hz	2K610	13K300	26K700
1757 Hz	2K670	13K700	27K400	1712 Hz	2K740	14K000	28K000
1675 Hz	2K800	14K300	28K700	1634 Hz	2K870	14K700	29K400
1595 Hz	2K940	15K000	30K100	1558 Hz	3K010	15K400	30K900
1518 Hz	3K090	15K800	31K600	1484 Hz	3K160	16K200	32K400
1447 Hz	3K240	16K500	33K200	1413 Hz	3K320	16K900	34K000
1379 Hz	3K400	17K400	34K800	1348 Hz	3K480	17K800	35K700
1314 Hz	3K570	18K200	36K500	1285 Hz	3K650	18K700	37K400
1254 Hz	3K740	19K100	38K300	1225 Hz	3K830	19K600	39K200
1196 Hz	3K920	20K000	40K200	1167 Hz	4K020	20K500	41K200
1138 Hz	4K120	21K000	42K200	1111 Hz	4K220	21K500	43K200
1086 Hz	4K320	22K100	44K200	1061 Hz	4K420	22K600	45K300
1035 Hz	4K530	23K200	46K400	1011 Hz	4K640	23K700	47K500
987 Hz	4K750	24K300	48K700	963 Hz	4K870	24K900	49K900
940 Hz	4K990	25K500	51K100	918 Hz	5K110	26K100	52K300
897 Hz	5K230	26K700	53K600	875 Hz	5K360	27K400	54K900

10B-STD Crossovers Frequency/Resistor Tables

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=48n, C2=24n | High Pass: C(ab)=4n7 Pg.2-2

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2
854 Hz	5K490	28K000	56K200	834 Hz	5K620	28K700	57K600
814 Hz	5K760	29K400	59K000	795 Hz	5K900	30K100	60K400
776 Hz	6K040	30K900	61K900	758 Hz	6K190	31K600	63K400
740 Hz	6K340	32K400	64K900	723 Hz	6K490	33K200	66K500
705 Hz	6K650	34K000	68K100	689 Hz	6K810	34K800	69K800
672 Hz	6K980	35K700	71K500	656 Hz	7K150	36K500	73K200
641 Hz	7K320	37K400	75K000	625 Hz	7K500	38K300	76K800
611 Hz	7K680	39K200	78K700	596 Hz	7K870	40K200	80K600
582 Hz	8K060	41K200	82K500	568 Hz	8K250	42K200	84K500
555 Hz	8K450	43K200	86K600	542 Hz	8K660	44K200	88K700
529 Hz	8K870	45K300	90K900	516 Hz	9K090	46K400	93K100
504 Hz	9K310	47K500	95K300	492 Hz	9K530	48K700	97K600
481 Hz	9K760	49K900	100K00	469 Hz	10K000	51K100	102K00
460 Hz	10K200	52K300	105K00	447 Hz	10K500	53K600	107K00
438 Hz	10K700	54K900	110K00	426 Hz	11K000	56K200	113K00
415 Hz	11K300	57K600	115K00	408 Hz	11K500	59K000	118K00
397 Hz	11K800	60K400	121K00	388 Hz	12K100	61K900	124K00
378 Hz	12K400	63K400	127K00	369 Hz	12K700	64K900	130K00
361 Hz	13K000	66K500	133K00	353 Hz	13K300	68K100	137K00
342 Hz	13K700	69K800	140K00	335 Hz	14K000	71K500	143K00
328 Hz	14K300	73K200	147K00	319 Hz	14K700	75K000	150K00
313 Hz	15K000	76K800	154K00	305 Hz	15K400	78K700	158K00
297 Hz	15K800	80K600	162K00	289 Hz	16K200	82K500	165K00
284 Hz	16K500	84K500	169K00	278 Hz	16K900	86K600	174K00
270 Hz	17K400	88K700	178K00	263 Hz	17K800	90K900	182K00
258 Hz	18K200	93K100	187K00	251 Hz	18K700	95K300	191K00
246 Hz	19K100	97K600	196K00	239 Hz	19K600	100K00	200K00
234 Hz	20K000	102K00	205K00	229 Hz	20K500	105K00	210K00
223 Hz	21K000	107K00	215K00	218 Hz	21K500	110K00	221K00
212 Hz	22K100	113K00	226K00	208 Hz	22K600	115K00	232K00
202 Hz	23K200	118K00	237K00	198 Hz	23K700	121K00	243K00
193 Hz	24K300	124K00	249K00	188 Hz	24K900	127K00	255K00
184 Hz	25K500	130K00	261K00	180 Hz	26K100	133K00	267K00
176 Hz	26K700	137K00	274K00	171 Hz	27K400	140K00	280K00
167 Hz	28K000	143K00	287K00	163 Hz	28K700	147K00	294K00
160 Hz	29K400	150K00	301K00	156 Hz	30K100	154K00	309K00
152 Hz	30K900	158K00	316K00	148 Hz	31K600	162K00	324K00
145 Hz	32K400	165K00	332K00	141 Hz	33K200	169K00	340K00
138 Hz	34K000	174K00	348K00	135 Hz	34K800	178K00	357K00
131 Hz	35K700	182K00	365K00	128 Hz	36K500	187K00	374K00
125 Hz	37K400	191K00	383K00	122 Hz	38K300	196K00	392K00
120 Hz	39K200	200K00	402K00	117 Hz	40K200	205K00	412K00
114 Hz	41K200	210K00	422K00	111 Hz	42K200	215K00	432K00
109 Hz	43K200	221K00	442K00	106 Hz	44K200	226K00	453K00
104 Hz	45K300	232K00	464K00	101 Hz	46K400	237K00	475K00
99 Hz	47K500	243K00	487K00	96 Hz	48K700	249K00	499K00
94 Hz	49K900	255K00	511K00	92 Hz	51K100	261K00	523K00
90 Hz	52K300	267K00	536K00	87 Hz	53K600	274K00	549K00
85 Hz	54K900	280K00	562K00	83 Hz	56K200	287K00	576K00
81 Hz	57K600	294K00	590K00	79 Hz	59K000	301K00	604K00

10B-STD Crossovers Frequency/Resistor Tables

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=48n, C2=24n | High Pass: C(ab)=4n7 Pg.2-3

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2
78 Hz	60K400	309K00	619K00	76 Hz	61K900	316K00	634K00
74 Hz	63K400	324K00	649K00	72 Hz	64K900	332K00	665K00
71 Hz	66K500	340K00	681K00	69 Hz	68K100	348K00	698K00
67 Hz	69K800	357K00	715K00	66 Hz	71K500	365K00	732K00
64 Hz	73K200	374K00	750K00	63 Hz	75K000	383K00	768K00
61 Hz	76K800	392K00	787K00	60 Hz	78K700	402K00	806K00
58 Hz	80K600	412K00	825K00	57 Hz	82K500	422K00	845K00
56 Hz	84K500	432K00	866K00	54 Hz	86K600	442K00	887K00
53 Hz	88K700	453K00	909K00	52 Hz	90K900	464K00	931K00
50 Hz	93K100	475K00	953K00	49 Hz	95K300	487K00	976K00
48 Hz	97K600	499K00	1M0000	47 Hz	100K00	511K00	1M0200
46 Hz	102K00	523K00	1M0500	45 Hz	105K00	536K00	1M0700
44 Hz	107K00	549K00	1M1000	43 Hz	110K00	562K00	1M1300
42 Hz	113K00	576K00	1M1500	41 Hz	115K00	590K00	1M1800
40 Hz	118K00	604K00	1M2100	39 Hz	121K00	619K00	1M2400
38 Hz	124K00	634K00	1M2700	37 Hz	127K00	649K00	1M3000
36 Hz	130K00	665K00	1M3300	35 Hz	133K00	681K00	1M3700
34 Hz	137K00	698K00	1M4000	33 Hz	140K00	715K00	1M4300
33 Hz	143K00	732K00	1M4700	32 Hz	147K00	750K00	1M5000
31 Hz	150K00	768K00	1M5400	30 Hz	154K00	787K00	1M5800
30 Hz	158K00	806K00	1M6200	29 Hz	162K00	825K00	1M6500
28 Hz	165K00	845K00	1M6900	28 Hz	169K00	866K00	1M7400
27 Hz	174K00	887K00	1M7800	26 Hz	178K00	909K00	1M8200
26 Hz	182K00	931K00	1M8700	25 Hz	187K00	953K00	1M9100
25 Hz	191K00	976K00	1M9600	24 Hz	196K00	1M0000	2M0000
23 Hz	200K00	1M0200	2M0500	23 Hz	205K00	1M0500	2M1000
22 Hz	210K00	1M0700	2M1500	22 Hz	215K00	1M1000	2M2100
21 Hz	221K00	1M1300	2M2600	21 Hz	226K00	1M1500	2M3200
20 Hz	232K00	1M1800	2M3700	20 Hz	237K00	1M2100	2M4300
19 Hz	243K00	1M2400	2M4900	19 Hz	249K00	1M2700	2M5500
18 Hz	255K00	1M3000	2M6100	18 Hz	261K00	1M3300	2M6700
18 Hz	267K00	1M3700	2M7400	17 Hz	274K00	1M4000	2M8000
17 Hz	280K00	1M4300	2M8700	16 Hz	287K00	1M4700	2M9400
16 Hz	294K00	1M5000	3M0100	16 Hz	301K00	1M5400	3M0900

Formulas for 2nd order LOW pass filter are as follows:

PI = 3.14159 C = 1 / (2 * PI * Fc * R)
C1 = 1.414 * C C2 = .707 * C
R = Ra = Rb = 1 / (2 * PI * Fc * C)
Fc = (1 / SQR(C1 * C2 * Ra * Rb)) / (2 * PI) = (1 / SQR(C^2 * R^2)) / (2 * PI)

Formulas for 2nd order HIGH pass filter are as follows:

PI = 3.14159 C = Ca = Cb = 1 / (2 * PI * Fc * R)
R = 1 / (2 * PI * Fc * C) R1 = .707 * R
R2 = 1.414 * R
Fc = (1 / SQR(Ca * Cb * R1 * R2)) / (2 * PI) = (1 / SQR(C^2 * R^2)) / (2 * PI)

10B-STD Crossovers Frequency/Resistor Tables

3rd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C4=120n, C5=6n8, C6=47n | High Pass: C7(abc)=16n Pg.3-1

FREQ (Hz)	LP R5(abc)	HIGH PASS R6	R7	R8	FREQ (Hz)	LP R5(abc)	HIGH PASS R6	R7	R8
9436	499R	294R	5K230	750R	9214	511R	301R	5K360	768R
9003	523R	309R	5K490	787R	8784	536R	316R	5K620	806R
8576	549R	324R	5K760	825R	8378	562R	332R	5K900	845R
8174	576R	340R	6K040	866R	7980	590R	348R	6K190	887R
7795	604R	357R	6K340	909R	7606	619R	365R	6K490	931R
7426	634R	374R	6K650	953R	7255	649R	383R	6K810	1K000
7080	665R	392R	6K980	1K020	6914	681R	402R	7K150	1K050
6745	698R	412R	7K320	1K070	6585	715R	422R	7K500	1K100
6432	732R	432R	7K680	1K100	6278	750R	442R	7K870	1K130
6131	768R	453R	8K060	1K180	5983	787R	464R	8K250	1K210
5842	806R	475R	8K450	1K240	5707	825R	487R	8K660	1K240
5572	845R	499R	8K870	1K270	5437	866R	511R	9K090	1K330
5308	887R	523R	9K310	1K330	5180	909R	536R	9K530	1K370
5057	931R	549R	9K760	1K430	4941	953R	562R	10K000	1K430
4824	976R	576R	10K200	1K470	4708	1K000	590R	10K500	1K500
4616	1K020	604R	10K700	1K540	4484	1K050	619R	11K000	1K580
4400	1K070	634R	11K300	1K620	4280	1K100	649R	11K500	1K690
4167	1K130	665R	11K800	1K740	4094	1K150	681R	12K100	1K740
3990	1K180	698R	12K400	1K780	3891	1K210	715R	12K700	1K820
3797	1K240	732R	13K000	1K870	3707	1K270	750R	13K300	1K910
3622	1K300	768R	13K700	1K960	3540	1K330	787R	14K000	2K000
3437	1K370	806R	14K300	2K100	3363	1K400	825R	14K700	2K150
3293	1K430	845R	15K000	2K150	3203	1K470	866R	15K400	2K210
3139	1K500	887R	15K800	2K260	3057	1K540	909R	16K200	2K320
2980	1K580	931R	16K500	2K430	2906	1K620	953R	16K900	2K490
2854	1K650	1K000	17K400	2K490	2786	1K690	1K000	17K800	2K550
2706	1K740	1K050	18K200	2K670	2645	1K780	1K050	18K700	2K740
2587	1K820	1K070	19K100	2K740	2518	1K870	1K100	19K600	2K870
2465	1K910	1K130	20K000	2K870	2402	1K960	1K180	20K500	3K010
2354	2K000	1K180	21K000	3K010	2297	2K050	1K210	21K500	3K090
2242	2K100	1K240	22K100	3K160	2190	2K150	1K270	22K600	3K240
2130	2K210	1K330	23K200	3K320	2083	2K260	1K330	23K700	3K400
2029	2K320	1K370	24K300	3K570	1987	2K370	1K400	24K900	3K570
1938	2K430	1K430	25K500	3K650	1891	2K490	1K470	26K100	3K740
1846	2K550	1K500	26K700	3K920	1804	2K610	1K540	27K400	3K920
1763	2K670	1K580	28K000	4K020	1718	2K740	1K620	28K700	4K120
1682	2K800	1K650	29K400	4K220	1641	2K870	1K690	30K100	4K320
1601	2K940	1K740	30K900	4K420	1564	3K010	1K780	31K600	4K530
1524	3K090	1K820	32K400	4K750	1490	3K160	1K870	33K200	4K750
1453	3K240	1K910	34K000	4K870	1418	3K320	1K960	34K800	4K990
1385	3K400	2K000	35K700	5K110	1353	3K480	2K050	36K500	5K230
1319	3K570	2K100	37K400	5K490	1290	3K650	2K150	38K300	5K490
1259	3K740	2K210	39K200	5K620	1229	3K830	2K260	40K200	5K760
1201	3K920	2K320	41K200	5K900	1171	4K020	2K370	42K200	6K040
1143	4K120	2K430	43K200	6K190	1116	4K220	2K490	44K200	6K340
1090	4K320	2K550	45K300	6K490	1065	4K420	2K610	46K400	6K650
1039	4K530	2K670	47K500	6K810	1015	4K640	2K740	48K700	6K980
991	4K750	2K800	49K900	7K150	967	4K870	2K870	51K100	7K320
944	4K990	2K940	52K300	7K500	921	5K110	3K010	53K600	7K680
900	5K230	3K090	54K900	7K870	878	5K360	3K160	56K200	8K060

10B-STD Crossovers Frequency/Resistor Tables

3rd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C4=120n, C5=6n8, C6=47n | High Pass: C7(abc)=16n Pg.3-2

FREQ (Hz)	LP R5(abc)	HIGH PASS R6	HIGH PASS R7	HIGH PASS R8	FREQ (Hz)	LP R5(abc)	HIGH PASS R6	HIGH PASS R7	HIGH PASS R8
858	5K490	3K240	57K600	8K250	838	5K620	3K320	59K000	8K450
817	5K760	3K400	60K400	8K660	798	5K900	3K480	61K900	8K870
780	6K040	3K570	63K400	9K090	761	6K190	3K650	64K900	9K310
743	6K340	3K740	66K500	9K530	725	6K490	3K830	68K100	10K000
708	6K650	3K920	69K800	10K200	691	6K810	4K020	71K500	10K500
675	6K980	4K120	73K200	10K700	659	7K150	4K220	75K000	11K000
643	7K320	4K320	76K800	11K000	628	7K500	4K420	78K700	11K300
613	7K680	4K530	80K600	11K800	598	7K870	4K640	82K500	12K100
584	8K060	4K750	84K500	12K400	571	8K250	4K870	86K600	12K400
557	8K450	4K990	88K700	12K700	544	8K660	5K110	90K900	13K300
531	8K870	5K230	93K100	13K300	518	9K090	5K360	95K300	13K700
506	9K310	5K490	97K600	14K300	494	9K530	5K620	100K00	14K300
482	9K760	5K760	102K00	14K700	471	10K000	5K900	105K00	15K000
462	10K200	6K040	107K00	15K400	448	10K500	6K190	110K00	15K800
440	10K700	6K340	113K00	16K200	428	11K000	6K490	115K00	16K900
417	11K300	6K650	118K00	17K400	409	11K500	6K810	121K00	17K400
399	11K800	6K980	124K00	17K800	389	12K100	7K150	127K00	18K200
380	12K400	7K320	130K00	18K700	371	12K700	7K500	133K00	19K100
362	13K000	7K680	137K00	19K600	354	13K300	7K870	140K00	20K000
344	13K700	8K060	143K00	21K000	336	14K000	8K250	147K00	21K500
329	14K300	8K450	150K00	21K500	320	14K700	8K660	154K00	22K100
314	15K000	8K870	158K00	22K600	306	15K400	9K090	162K00	23K200
298	15K800	9K310	165K00	24K300	291	16K200	9K530	169K00	24K900
285	16K500	10K000	174K00	24K900	279	16K900	10K000	178K00	25K500
271	17K400	10K500	182K00	26K700	265	17K800	10K500	187K00	27K400
259	18K200	10K700	191K00	27K400	252	18K700	11K000	196K00	28K700
247	19K100	11K300	200K00	28K700	240	19K600	11K800	205K00	30K100
235	20K000	11K800	210K00	30K100	230	20K500	12K100	215K00	30K900
224	21K000	12K400	221K00	31K600	219	21K500	12K700	226K00	32K400
213	22K100	13K300	232K00	33K200	208	22K600	13K300	237K00	34K000
203	23K200	13K700	243K00	35K700	199	23K700	14K000	249K00	35K700
194	24K300	14K300	255K00	36K500	189	24K900	14K700	261K00	37K400
185	25K500	15K000	267K00	39K200	180	26K100	15K400	274K00	39K200
176	26K700	15K800	280K00	40K200	172	27K400	16K200	287K00	41K200
168	28K000	16K500	294K00	42K200	164	28K700	16K900	301K00	43K200
160	29K400	17K400	309K00	44K200	156	30K100	17K800	316K00	45K300
152	30K900	18K200	324K00	47K500	149	31K600	18K700	332K00	47K500
145	32K400	19K100	340K00	48K700	142	33K200	19K600	348K00	49K900
138	34K000	20K000	357K00	51K100	135	34K800	20K500	365K00	52K300
132	35K700	21K000	374K00	54K900	129	36K500	21K500	383K00	54K900
126	37K400	22K100	392K00	56K200	123	38K300	22K600	402K00	57K600
120	39K200	23K200	412K00	59K000	117	40K200	23K700	422K00	60K400
114	41K200	24K300	432K00	61K900	112	42K200	24K900	442K00	63K400
109	43K200	25K500	453K00	64K900	107	44K200	26K100	464K00	66K500
104	45K300	26K700	475K00	68K100	101	46K400	27K400	487K00	69K800
99	47K500	28K000	499K00	71K500	97	48K700	28K700	511K00	73K200
94	49K900	29K400	523K00	75K000	92	51K100	30K100	536K00	76K800
90	52K300	30K900	549K00	78K700	88	53K600	31K600	562K00	80K600
86	54K900	32K400	576K00	82K500	84	56K200	33K200	590K00	84K500
82	57K600	34K000	604K00	86K600	80	59K000	34K800	619K00	88K700

10B-STD Crossovers Frequency/Resistor Tables

3rd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C4=120n, C5=6n8, C6=47n | High Pass: C7(abc)=16n Pg.3-3

FREQ (Hz)	LP R5(abc)	HIGH PASS R6	R7	R8	FREQ (Hz)	LP R5(abc)	HIGH PASS R6	R7	R8
78	60K400	35K700	634K00	90K900	76	61K900	36K500	649K00	93K100
74	63K400	37K400	665K00	95K300	73	64K900	38K300	681K00	100K00
71	66K500	39K200	698K00	102K00	69	68K100	40K200	715K00	105K00
67	69K800	41K200	732K00	107K00	66	71K500	42K200	750K00	110K00
64	73K200	43K200	768K00	110K00	63	75K000	44K200	787K00	113K00
61	76K800	45K300	806K00	118K00	60	78K700	46K400	825K00	121K00
58	80K600	47K500	845K00	124K00	57	82K500	48K700	866K00	124K00
56	84K500	49K900	887K00	127K00	54	86K600	51K100	909K00	133K00
53	88K700	52K300	931K00	133K00	52	90K900	53K600	953K00	137K00
51	93K100	54K900	976K00	143K00	49	95K300	56K200	1M0000	143K00
48	97K600	57K600	1M0200	147K00	47	100K00	59K000	1M0500	150K00
46	102K00	60K400	1M0700	154K00	45	105K00	61K900	1M1000	158K00
44	107K00	63K400	1M1300	162K00	43	110K00	64K900	1M1500	169K00
42	113K00	66K500	1M1800	174K00	41	115K00	68K100	1M2100	174K00
40	118K00	69K800	1M2400	178K00	39	121K00	71K500	1M2700	182K00
38	124K00	73K200	1M3000	187K00	37	127K00	75K000	1M3300	191K00
36	130K00	76K800	1M3700	196K00	35	133K00	78K700	1M4000	200K00
34	137K00	80K600	1M4300	210K00	34	140K00	82K500	1M4700	215K00
33	143K00	84K500	1M5000	215K00	32	147K00	86K600	1M5400	221K00
31	150K00	88K700	1M5800	226K00	31	154K00	90K900	1M6200	232K00
30	158K00	93K100	1M6500	243K00	29	162K00	95K300	1M6900	249K00
29	165K00	100K00	1M7400	249K00	28	169K00	100K00	1M7800	255K00
27	174K00	105K00	1M8200	267K00	26	178K00	105K00	1M8700	274K00
26	182K00	107K00	1M9100	274K00	25	187K00	110K00	1M9600	287K00
25	191K00	113K00	2M0000	287K00	24	196K00	118K00	2M0500	301K00
24	200K00	118K00	2M1000	301K00	23	205K00	121K00	2M1500	309K00
22	210K00	124K00	2M2100	316K00	22	215K00	127K00	2M2600	324K00
21	221K00	133K00	2M3200	332K00	21	226K00	133K00	2M3700	340K00
20	232K00	137K00	2M4300	357K00	20	237K00	140K00	2M4900	357K00
19	243K00	143K00	2M5500	365K00	19	249K00	147K00	2M6100	374K00
18	255K00	150K00	2M6700	392K00	18	261K00	154K00	2M7400	392K00
18	267K00	158K00	2M8000	402K00	17	274K00	162K00	2M8700	412K00
17	280K00	165K00	2M9400	422K00	16	287K00	169K00	3M0100	432K00
16	294K00	174K00	3M0900	442K00	16	301K00	178K00	3M1600	453K00

Formulas for 3RD order LOW pass filter are as follows:

PI = 3.14159
C = C4 * (1/3.55)
C6 = 1.39 * C
Fc = 1 / (2 * PI * C * R)

C4 = given
C5 = .202 * C
R = Ra=Rb=Rc = 1 / (2 * PI * Fc * C)

Formulas for 3RD order HIGH pass filter are as follows:

PI = 3.14159
R = 1 / (2 * PI * Fc * C)
R7 = (1/.202) / (2 * PI * Fc) / C
Fc = 1 / (2 * PI * R * C)

C = C7a = C7b = C7c = given
R6 = (1/3.55) / (2 * PI * Fc) / C
R8 = (1/1.39) / (2 * PI * Fc) / C

10B-SUB FREQUENCY/RESISTOR TABLES

1% resistors from 499R to 301K and the corresponding crossover frequencies for each. Calculations are based on the following capacitor values:

	LOW pass	HIGH pass
1st order:	C3=33n	C8=4n7
2nd order:	C1=48n, C2=24n	Ca & Cb=6n8
3rd order:	C4=120n, C5=6n8, C6=47n	C7(abc)= 22n

1st ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass capacitors: C3=33n | High Pass capacitors: C8=4n7 Pg.1-1

CROSSOVER FREQ.	LOW PASS R3	HIGH PASS R4	CROSSOVER FREQ.	LOW PASS R3	HIGH PASS R4
9665 Hz	499R	3K480	9438 Hz	511R	3K570
9222 Hz	523R	3K650	8998 Hz	536R	3K740
8785 Hz	549R	3K830	8582 Hz	562R	3K920
8373 Hz	576R	4K020	8174 Hz	590R	4K120
7985 Hz	604R	4K220	7791 Hz	619R	4K320
7607 Hz	634R	4K420	7431 Hz	649R	4K530
7252 Hz	665R	4K640	7082 Hz	681R	4K750
6910 Hz	698R	4K870	6745 Hz	715R	4K990
6589 Hz	732R	5K110	6431 Hz	750R	5K230
6280 Hz	768R	5K360	6128 Hz	787R	5K490
5984 Hz	806R	5K620	5846 Hz	825R	5K760
5708 Hz	845R	5K900	5569 Hz	866R	6K040
5437 Hz	887R	6K190	5306 Hz	909R	6K340
5180 Hz	931R	6K490	5061 Hz	953R	6K650
4941 Hz	976R	6K810	4823 Hz	1K000	6K980
4728 Hz	1K020	7K150	4593 Hz	1K050	7K320
4507 Hz	1K070	7K500	4384 Hz	1K100	7K680
4268 Hz	1K130	7K870	4194 Hz	1K150	8K060
4087 Hz	1K180	8K250	3986 Hz	1K210	8K450
3889 Hz	1K240	8K660	3798 Hz	1K270	8K870
3710 Hz	1K300	9K090	3626 Hz	1K330	9K310
3520 Hz	1K370	9K530	3445 Hz	1K400	10K000
3373 Hz	1K430	10K000	3281 Hz	1K470	10K200
3215 Hz	1K500	10K500	3132 Hz	1K540	10K700
3052 Hz	1K580	11K000	2977 Hz	1K620	11K300
2923 Hz	1K650	11K500	2854 Hz	1K690	11K800
2772 Hz	1K740	12K100	2709 Hz	1K780	12K400
2650 Hz	1K820	12K700	2579 Hz	1K870	13K000
2525 Hz	1K910	13K300	2461 Hz	1K960	13K700
2411 Hz	2K000	14K000	2353 Hz	2K050	14K300
2297 Hz	2K100	14K700	2243 Hz	2K150	15K000
2182 Hz	2K210	15K400	2134 Hz	2K260	15K800
2079 Hz	2K320	16K200	2035 Hz	2K370	16K500
1985 Hz	2K430	16K900	1937 Hz	2K490	17K400
1891 Hz	2K550	17K800	1848 Hz	2K610	18K200
1806 Hz	2K670	18K700	1760 Hz	2K740	19K100
1722 Hz	2K800	19K600	1680 Hz	2K870	20K000
1640 Hz	2K940	20K500	1602 Hz	3K010	21K000
1561 Hz	3K090	21K500	1526 Hz	3K160	22K100
1489 Hz	3K240	22K600	1453 Hz	3K320	23K200
1418 Hz	3K400	23K700	1386 Hz	3K480	24K300
1351 Hz	3K570	24K900	1321 Hz	3K650	25K500
1290 Hz	3K740	26K100	1259 Hz	3K830	26K700
1230 Hz	3K920	27K400	1200 Hz	4K020	28K000
1171 Hz	4K120	28K700	1143 Hz	4K220	29K400
1116 Hz	4K320	30K100	1091 Hz	4K420	30K900
1065 Hz	4K530	31K600	1039 Hz	4K640	32K400

10B-SUB FREQUENCY/RESISTOR TABLES

1st ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass capacitors: C3=33n | High Pass capacitors: C8=4n7 Pg.1-2

CROSSOVER FREQ.	LOW PASS R3	HIGH PASS R4	CROSSOVER FREQ.	LOW PASS R3	HIGH PASS R4
1015 Hz	4K750	33K200	990 Hz	4K870	34K000
967 Hz	4K990	34K800	944 Hz	5K110	35K700
922 Hz	5K230	36K500	900 Hz	5K360	37K400
878 Hz	5K490	38K300	858 Hz	5K620	39K200
837 Hz	5K760	40K200	817 Hz	5K900	41K200
798 Hz	6K040	42K200	779 Hz	6K190	43K200
761 Hz	6K340	44K200	743 Hz	6K490	45K300
725 Hz	6K650	46K400	708 Hz	6K810	47K500
691 Hz	6K980	48K700	675 Hz	7K150	49K900
659 Hz	7K320	51K100	643 Hz	7K500	52K300
628 Hz	7K680	53K600	613 Hz	7K870	54K900
598 Hz	8K060	56K200	585 Hz	8K250	57K600
571 Hz	8K450	59K000	557 Hz	8K660	60K400
544 Hz	8K870	61K900	531 Hz	9K090	63K400
518 Hz	9K310	64K900	506 Hz	9K530	66K500
494 Hz	9K760	68K100	482 Hz	10K000	69K800
473 Hz	10K200	71K500	459 Hz	10K500	73K200
451 Hz	10K700	75K000	438 Hz	11K000	76K800
427 Hz	11K300	78K700	419 Hz	11K500	80K600
409 Hz	11K800	82K500	399 Hz	12K100	84K500
389 Hz	12K400	86K600	380 Hz	12K700	88K700
371 Hz	13K000	90K900	363 Hz	13K300	93K100
352 Hz	13K700	95K300	344 Hz	14K000	100K00
337 Hz	14K300	100K00	328 Hz	14K700	102K00
322 Hz	15K000	105K00	313 Hz	15K400	107K00
305 Hz	15K800	110K00	298 Hz	16K200	113K00
292 Hz	16K500	115K00	285 Hz	16K900	118K00
277 Hz	17K400	121K00	271 Hz	17K800	124K00
265 Hz	18K200	127K00	258 Hz	18K700	130K00
253 Hz	19K100	133K00	246 Hz	19K600	137K00
241 Hz	20K000	140K00	235 Hz	20K500	143K00
230 Hz	21K000	147K00	224 Hz	21K500	150K00
218 Hz	22K100	154K00	213 Hz	22K600	158K00
208 Hz	23K200	162K00	203 Hz	23K700	165K00
198 Hz	24K300	169K00	194 Hz	24K900	174K00
189 Hz	25K500	178K00	185 Hz	26K100	182K00
181 Hz	26K700	187K00	176 Hz	27K400	191K00
172 Hz	28K000	196K00	168 Hz	28K700	200K00
164 Hz	29K400	205K00	160 Hz	30K100	210K00
156 Hz	30K900	215K00	153 Hz	31K600	221K00
149 Hz	32K400	226K00	145 Hz	33K200	232K00
142 Hz	34K000	237K00	139 Hz	34K800	243K00
135 Hz	35K700	249K00	132 Hz	36K500	255K00
129 Hz	37K400	261K00	126 Hz	38K300	267K00
123 Hz	39K200	274K00	120 Hz	40K200	280K00
117 Hz	41K200	287K00	114 Hz	42K200	294K00
112 Hz	43K200	301K00	109 Hz	44K200	309K00
106 Hz	45K300	316K00	104 Hz	46K400	324K00
102 Hz	47K500	332K00	99 Hz	48K700	340K00
97 Hz	49K900	348K00	94 Hz	51K100	357K00
92 Hz	52K300	365K00	90 Hz	53K600	374K00
88 Hz	54K900	383K00	86 Hz	56K200	392K00
84 Hz	57K600	402K00	82 Hz	59K000	412K00

10B-SUB FREQUENCY/RESISTOR TABLES

1st ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass capacitors: C3=33n | High Pass capacitors: C8=4n7 Pg.1-3

CROSSOVER FREQ.	LOW PASS R3	HIGH PASS R4	CROSSOVER FREQ.	LOW PASS R3	HIGH PASS R4
80 Hz	60K400	422K00	78 Hz	61K900	432K00
76 Hz	63K400	442K00	74 Hz	64K900	453K00
73 Hz	66K500	464K00	71 Hz	68K100	475K00
69 Hz	69K800	487K00	67 Hz	71K500	499K00
66 Hz	73K200	511K00	64 Hz	75K000	523K00
63 Hz	76K800	536K00	61 Hz	78K700	549K00
60 Hz	80K600	562K00	58 Hz	82K500	576K00
57 Hz	84K500	590K00	56 Hz	86K600	604K00
54 Hz	88K700	619K00	53 Hz	90K900	634K00
52 Hz	93K100	649K00	51 Hz	95K300	665K00
49 Hz	97K600	681K00	48 Hz	100K00	698K00
47 Hz	102K00	715K00	46 Hz	105K00	732K00
45 Hz	107K00	750K00	44 Hz	110K00	768K00
43 Hz	113K00	787K00	42 Hz	115K00	806K00
41 Hz	118K00	825K00	40 Hz	121K00	845K00
39 Hz	124K00	866K00	38 Hz	127K00	887K00
37 Hz	130K00	909K00	36 Hz	133K00	931K00
35 Hz	137K00	953K00	34 Hz	140K00	1M0000
34 Hz	143K00	1M0000	33 Hz	147K00	1M0200
32 Hz	150K00	1M0500	31 Hz	154K00	1M0700
31 Hz	158K00	1M1000	30 Hz	162K00	1M1300
29 Hz	165K00	1M1500	29 Hz	169K00	1M1800
28 Hz	174K00	1M2100	27 Hz	178K00	1M2400
26 Hz	182K00	1M2700	26 Hz	187K00	1M3000
25 Hz	191K00	1M3300	25 Hz	196K00	1M3700
24 Hz	200K00	1M4000	24 Hz	205K00	1M4300
23 Hz	210K00	1M4700	22 Hz	215K00	1M5000
22 Hz	221K00	1M5400	21 Hz	226K00	1M5800
21 Hz	232K00	1M6200	20 Hz	237K00	1M6500
20 Hz	243K00	1M6900	19 Hz	249K00	1M7400
19 Hz	255K00	1M7800	18 Hz	261K00	1M8200
18 Hz	267K00	1M8700	18 Hz	274K00	1M9100
17 Hz	280K00	1M9600	17 Hz	287K00	2M0000
16 Hz	294K00	2M0500	16 Hz	301K00	2M1000

Formulas for 1ST order LOW pass filter are as follows:

PI = 3.14159 C3 = given
R3 = 1 / (2 * PI * Fc * C3) Fc = 1 / (2 * PI * C3 * R3)

Formulas for 1ST order HIGH pass filter are as follows:

PI = 3.14159 C8 = given
R4 = 1 / (2 * PI * Fc * C8) Fc = 1 / (2 * PI * C8 * R4)

10B-SUB FREQUENCY/RESISTOR TABLES

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=48n, C2=24n | High Pass: C(ab)=6n8 Pg.2-1

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	R2
9399 Hz	499R	1K780	3K570	9178 Hz	511R	1K820	3K650
8967 Hz	523R	1K870	3K740	8750 Hz	536R	1K910	3K830
8543 Hz	549R	1K960	3K920	8345 Hz	562R	2K000	4K020
8142 Hz	576R	2K050	4K120	7949 Hz	590R	2K100	4K220
7765 Hz	604R	2K150	4K320	7577 Hz	619R	2K210	4K420
7397 Hz	634R	2K260	4K530	7226 Hz	649R	2K260	4K530
7052 Hz	665R	2K370	4K750	6887 Hz	681R	2K430	4K870
6719 Hz	698R	2K490	4K990	6559 Hz	715R	2K550	5K110
6407 Hz	732R	2K610	5K230	6253 Hz	750R	2K670	5K360
6107 Hz	768R	2K740	5K490	5959 Hz	787R	2K800	5K620
5819 Hz	806R	2K870	5K760	5685 Hz	825R	2K940	5K900
5550 Hz	845R	3K010	6K040	5416 Hz	866R	3K090	6K190
5287 Hz	887R	3K160	6K340	5159 Hz	909R	3K240	6K490
5037 Hz	931R	3K320	6K650	4921 Hz	953R	3K400	6K810
4805 Hz	976R	3K480	6K980	4690 Hz	1K000	3K570	7K150
4598 Hz	1K020	3K570	7K150	4467 Hz	1K050	3K740	7K500
4383 Hz	1K070	3K740	7K500	4264 Hz	1K100	3K920	7K870
4150 Hz	1K130	4K020	8K060	4078 Hz	1K150	4K020	8K060
3974 Hz	1K180	4K120	8K250	3876 Hz	1K210	4K220	8K450
3782 Hz	1K240	4K420	8K870	3693 Hz	1K270	4K530	9K090
3608 Hz	1K300	4K640	9K310	3526 Hz	1K330	4K640	9K310
3423 Hz	1K370	4K870	9K760	3350 Hz	1K400	4K990	10K000
3280 Hz	1K430	4K990	10K000	3190 Hz	1K470	5K230	10K500
3127 Hz	1K500	5K230	10K500	3045 Hz	1K540	5K490	11K000
2968 Hz	1K580	5K620	11K300	2895 Hz	1K620	5K760	11K500
2842 Hz	1K650	5K760	11K500	2775 Hz	1K690	5K900	11K800
2695 Hz	1K740	6K190	12K400	2635 Hz	1K780	6K340	12K700
2577 Hz	1K820	6K490	13K000	2508 Hz	1K870	6K650	13K300
2455 Hz	1K910	6K810	13K700	2393 Hz	1K960	6K980	14K000
2345 Hz	2K000	6K980	14K000	2288 Hz	2K050	7K150	14K300
2233 Hz	2K100	7K320	14K700	2181 Hz	2K150	7K500	15K000
2122 Hz	2K210	7K870	15K800	2075 Hz	2K260	8K060	16K200
2021 Hz	2K320	8K250	16K500	1979 Hz	2K370	8K450	16K900
1930 Hz	2K430	8K660	17K400	1883 Hz	2K490	8K870	17K800
1839 Hz	2K550	9K090	18K200	1797 Hz	2K610	9K310	18K700
1757 Hz	2K670	9K530	19K100	1712 Hz	2K740	9K760	19K600
1675 Hz	2K800	10K000	20K000	1634 Hz	2K870	10K200	20K500
1595 Hz	2K940	10K500	21K000	1558 Hz	3K010	10K700	21K500
1518 Hz	3K090	11K000	22K100	1484 Hz	3K160	11K000	22K100
1447 Hz	3K240	11K500	23K200	1413 Hz	3K320	11K800	23K700
1379 Hz	3K400	12K100	24K300	1348 Hz	3K480	12K400	24K900
1314 Hz	3K570	12K700	25K500	1285 Hz	3K650	13K000	26K100
1254 Hz	3K740	13K300	26K700	1225 Hz	3K830	13K700	27K400
1196 Hz	3K920	13K700	27K400	1167 Hz	4K020	14K300	28K700
1138 Hz	4K120	14K700	29K400	1111 Hz	4K220	15K000	30K100
1086 Hz	4K320	15K400	30K900	1061 Hz	4K420	15K400	30K900
1035 Hz	4K530	15K800	31K600	1011 Hz	4K640	16K500	33K200
987 Hz	4K750	16K900	34K000	963 Hz	4K870	17K400	34K800
940 Hz	4K990	17K800	35K700	918 Hz	5K110	18K200	36K500
897 Hz	5K230	18K700	37K400	875 Hz	5K360	19K100	38K300

10B-SUB FREQUENCY/RESISTOR TABLES

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=48n, C2=24n | High Pass: C(ab)=6n8 Pg.2-2

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	R2
854 Hz	5K490	19K600	39K200	834 Hz	5K620	20K000	40K200
814 Hz	5K760	20K500	41K200	795 Hz	5K900	21K000	42K200
776 Hz	6K040	21K500	43K200	758 Hz	6K190	22K100	44K200
740 Hz	6K340	22K600	45K300	723 Hz	6K490	22K600	45K300
705 Hz	6K650	23K700	47K500	689 Hz	6K810	24K300	48K700
672 Hz	6K980	24K900	49K900	656 Hz	7K150	25K500	51K100
641 Hz	7K320	26K100	52K300	625 Hz	7K500	26K700	53K600
611 Hz	7K680	27K400	54K900	596 Hz	7K870	28K000	56K200
582 Hz	8K060	28K700	57K600	568 Hz	8K250	29K400	59K000
555 Hz	8K450	30K100	60K400	542 Hz	8K660	30K900	61K900
529 Hz	8K870	31K600	63K400	516 Hz	9K090	32K400	64K900
504 Hz	9K310	33K200	66K500	492 Hz	9K530	34K000	68K100
481 Hz	9K760	34K800	69K800	469 Hz	10K000	35K700	71K500
460 Hz	10K200	35K700	71K500	447 Hz	10K500	37K400	75K000
438 Hz	10K700	37K400	75K000	426 Hz	11K000	39K200	78K700
415 Hz	11K300	40K200	80K600	408 Hz	11K500	40K200	80K600
397 Hz	11K800	41K200	82K500	388 Hz	12K100	42K200	84K500
378 Hz	12K400	44K200	88K700	369 Hz	12K700	45K300	90K900
361 Hz	13K000	46K400	93K100	353 Hz	13K300	46K400	93K100
342 Hz	13K700	48K700	97K600	335 Hz	14K000	49K900	100K00
328 Hz	14K300	49K900	100K00	319 Hz	14K700	52K300	105K00
313 Hz	15K000	52K300	105K00	305 Hz	15K400	54K900	110K00
297 Hz	15K800	56K200	113K00	289 Hz	16K200	57K600	115K00
284 Hz	16K500	57K600	115K00	278 Hz	16K900	59K000	118K00
270 Hz	17K400	61K900	124K00	263 Hz	17K800	63K400	127K00
258 Hz	18K200	64K900	130K00	251 Hz	18K700	66K500	133K00
246 Hz	19K100	68K100	137K00	239 Hz	19K600	69K800	140K00
234 Hz	20K000	69K800	140K00	229 Hz	20K500	71K500	143K00
223 Hz	21K000	73K200	147K00	218 Hz	21K500	75K000	150K00
212 Hz	22K100	78K700	158K00	208 Hz	22K600	80K600	162K00
202 Hz	23K200	82K500	165K00	198 Hz	23K700	84K500	169K00
193 Hz	24K300	86K600	174K00	188 Hz	24K900	88K700	178K00
184 Hz	25K500	90K900	182K00	180 Hz	26K100	93K100	187K00
176 Hz	26K700	95K300	191K00	171 Hz	27K400	97K600	196K00
167 Hz	28K000	100K00	200K00	163 Hz	28K700	102K00	205K00
160 Hz	29K400	105K00	210K00	156 Hz	30K100	107K00	215K00
152 Hz	30K900	110K00	221K00	148 Hz	31K600	110K00	221K00
145 Hz	32K400	115K00	232K00	141 Hz	33K200	118K00	237K00
138 Hz	34K000	121K00	243K00	135 Hz	34K800	124K00	249K00
131 Hz	35K700	127K00	255K00	128 Hz	36K500	130K00	261K00
125 Hz	37K400	133K00	267K00	122 Hz	38K300	137K00	274K00
120 Hz	39K200	137K00	274K00	117 Hz	40K200	143K00	287K00
114 Hz	41K200	147K00	294K00	111 Hz	42K200	150K00	301K00
109 Hz	43K200	154K00	309K00	106 Hz	44K200	154K00	309K00
104 Hz	45K300	158K00	316K00	101 Hz	46K400	165K00	332K00
99 Hz	47K500	169K00	340K00	96 Hz	48K700	174K00	348K00
94 Hz	49K900	178K00	357K00	92 Hz	51K100	182K00	365K00
90 Hz	52K300	187K00	374K00	87 Hz	53K600	191K00	383K00
85 Hz	54K900	196K00	392K00	83 Hz	56K200	200K00	402K00
81 Hz	57K600	205K00	412K00	79 Hz	59K000	210K00	422K00

10B-SUB FREQUENCY/RESISTOR TABLES

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=48n, C2=24n | High Pass: C(ab)=6n8 Pg.2-3

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2
78 Hz	60K400	215K00	432K00	76 Hz	61K900	221K00	442K00
74 Hz	63K400	226K00	453K00	72 Hz	64K900	226K00	453K00
71 Hz	66K500	237K00	475K00	69 Hz	68K100	243K00	487K00
67 Hz	69K800	249K00	499K00	66 Hz	71K500	255K00	511K00
64 Hz	73K200	261K00	523K00	63 Hz	75K000	267K00	536K00
61 Hz	76K800	274K00	549K00	60 Hz	78K700	280K00	562K00
58 Hz	80K600	287K00	576K00	57 Hz	82K500	294K00	590K00
56 Hz	84K500	301K00	604K00	54 Hz	86K600	309K00	619K00
53 Hz	88K700	316K00	634K00	52 Hz	90K900	324K00	649K00
50 Hz	93K100	332K00	665K00	49 Hz	95K300	340K00	681K00
48 Hz	97K600	348K00	698K00	47 Hz	100K00	357K00	715K00
46 Hz	102K00	357K00	715K00	45 Hz	105K00	374K00	750K00
44 Hz	107K00	374K00	750K00	43 Hz	110K00	392K00	787K00
42 Hz	113K00	402K00	806K00	41 Hz	115K00	402K00	806K00
40 Hz	118K00	412K00	825K00	39 Hz	121K00	422K00	845K00
38 Hz	124K00	442K00	887K00	37 Hz	127K00	453K00	909K00
36 Hz	130K00	464K00	931K00	35 Hz	133K00	464K00	931K00
34 Hz	137K00	487K00	976K00	33 Hz	140K00	499K00	1M0000
33 Hz	143K00	499K00	1M0000	32 Hz	147K00	523K00	1M0500
31 Hz	150K00	523K00	1M0500	30 Hz	154K00	549K00	1M1000
30 Hz	158K00	562K00	1M1300	29 Hz	162K00	576K00	1M1500
28 Hz	165K00	576K00	1M1500	28 Hz	169K00	590K00	1M1800
27 Hz	174K00	619K00	1M2400	26 Hz	178K00	634K00	1M2700
26 Hz	182K00	649K00	1M3000	25 Hz	187K00	665K00	1M3300
25 Hz	191K00	681K00	1M3700	24 Hz	196K00	698K00	1M4000
23 Hz	200K00	698K00	1M4000	23 Hz	205K00	715K00	1M4300
22 Hz	210K00	732K00	1M4700	22 Hz	215K00	750K00	1M5000
21 Hz	221K00	787K00	1M5800	21 Hz	226K00	806K00	1M6200
20 Hz	232K00	825K00	1M6500	20 Hz	237K00	845K00	1M6900
19 Hz	243K00	866K00	1M7400	19 Hz	249K00	887K00	1M7800
18 Hz	255K00	909K00	1M8200	18 Hz	261K00	931K00	1M8700
18 Hz	267K00	953K00	1M9100	17 Hz	274K00	976K00	1M9600
17 Hz	280K00	1M0000	2M0000	16 Hz	287K00	1M0200	2M0500
16 Hz	294K00	1M0500	2M1000	16 Hz	301K00	1M0700	2M1500

Formulas for 2nd order LOW pass filter are as follows:

PI = 3.14159 C = 1 / (2 * PI * Fc * R)
C1 = 1.414 * C C2 = .707 * C
R = Ra = Rb = 1 / (2 * PI * Fc * C)
Fc = (1 / SQR(C1 * C2 * Ra * Rb)) / (2 * PI) = (1 / SQR(C^2 * R^2)) / (2 * PI)

Formulas for 2nd order HIGH pass filter are as follows:

PI = 3.14159 C = Ca = Cb = 1 / (2 * PI * Fc * R)
R = 1 / (2 * PI * Fc * C) R1 = .707 * R
R2 = 1.414 * R
Fc = (1 / SQR(Ca * Cb * R1 * R2)) / (2 * PI) = (1 / SQR(C^2 * R^2)) / (2 * PI)

10B-SUB FREQUENCY/RESISTOR TABLES

3rd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C4=120n, C5=6n8, C6=47n | High Pass: C7(abc)=22n Pg.3-1

FREQ (Hz)	LP R5(abc)	HIGH PASS R6	R7	R8	FREQ (Hz)	LP R5(abc)	HIGH PASS R6	R7	R8
9436	499R	215R	3K830	549R	9214	511R	221R	3K920	562R
9003	523R	226R	4K020	576R	8784	536R	232R	4K120	590R
8576	549R	237R	4K220	604R	8378	562R	243R	4K320	619R
8174	576R	249R	4K420	634R	7980	590R	255R	4K530	649R
7795	604R	261R	4K640	665R	7606	619R	267R	4K750	681R
7426	634R	274R	4K870	698R	7255	649R	280R	4K990	715R
7080	665R	287R	5K110	732R	6914	681R	294R	5K230	750R
6745	698R	301R	5K360	768R	6585	715R	309R	5K490	787R
6432	732R	316R	5K620	806R	6278	750R	324R	5K760	825R
6131	768R	332R	5K900	845R	5983	787R	340R	6K040	866R
5842	806R	348R	6K190	887R	5707	825R	357R	6K340	909R
5572	845R	365R	6K490	931R	5437	866R	374R	6K650	953R
5308	887R	383R	6K810	1K000	5180	909R	392R	6K980	1K000
5057	931R	402R	7K150	1K020	4941	953R	412R	7K320	1K050
4824	976R	422R	7K500	1K070	4708	1K000	432R	7K680	1K100
4616	1K020	442R	7K680	1K130	4484	1K050	453R	8K060	1K150
4400	1K070	464R	8K060	1K180	4280	1K100	475R	8K450	1K210
4167	1K130	487R	8K660	1K240	4094	1K150	499R	8K660	1K270
3990	1K180	511R	8K870	1K300	3891	1K210	523R	9K310	1K330
3797	1K240	536R	9K530	1K370	3707	1K270	549R	9K760	1K400
3622	1K300	562R	10K000	1K430	3540	1K330	576R	10K200	1K470
3437	1K370	590R	10K500	1K500	3363	1K400	604R	10K700	1K540
3293	1K430	619R	11K000	1K580	3203	1K470	634R	11K300	1K620
3139	1K500	649R	11K500	1K650	3057	1K540	665R	11K800	1K690
2980	1K580	681R	12K100	1K740	2906	1K620	698R	12K400	1K780
2854	1K650	715R	12K700	1K820	2786	1K690	732R	13K000	1K870
2706	1K740	750R	13K300	1K910	2645	1K780	768R	13K700	1K960
2587	1K820	787R	13K700	2K000	2518	1K870	806R	14K300	2K050
2465	1K910	825R	14K700	2K100	2402	1K960	845R	15K000	2K150
2354	2K000	866R	15K400	2K210	2297	2K050	887R	15K400	2K260
2242	2K100	909R	15K800	2K320	2190	2K150	931R	16K500	2K370
2130	2K210	953R	16K900	2K430	2083	2K260	1K000	17K400	2K490
2029	2K320	1K000	17K800	2K550	1987	2K370	1K020	18K200	2K610
1938	2K430	1K050	18K700	2K670	1891	2K490	1K070	19K100	2K740
1846	2K550	1K100	19K600	2K800	1804	2K610	1K130	20K000	2K870
1763	2K670	1K150	20K500	2K940	1718	2K740	1K180	21K000	3K010
1682	2K800	1K210	21K500	3K090	1641	2K870	1K240	22K100	3K160
1601	2K940	1K270	22K600	3K240	1564	3K010	1K300	22K600	3K320
1524	3K090	1K330	23K700	3K400	1490	3K160	1K370	24K300	3K480
1453	3K240	1K400	24K900	3K570	1418	3K320	1K430	25K500	3K650
1385	3K400	1K470	26K100	3K740	1353	3K480	1K500	26K700	3K830
1319	3K570	1K540	27K400	3K920	1290	3K650	1K580	28K000	4K020
1259	3K740	1K620	28K700	4K120	1229	3K830	1K650	29K400	4K220
1201	3K920	1K690	30K100	4K320	1171	4K020	1K740	30K900	4K420
1143	4K120	1K780	31K600	4K530	1116	4K220	1K820	32K400	4K640
1090	4K320	1K870	33K200	4K750	1065	4K420	1K910	34K000	4K870
1039	4K530	1K960	34K800	4K990	1015	4K640	2K000	35K700	5K110
991	4K750	2K050	36K500	5K230	967	4K870	2K100	37K400	5K360
944	4K990	2K150	38K300	5K490	921	5K110	2K210	39K200	5K620
900	5K230	2K260	40K200	5K760	878	5K360	2K320	41K200	5K900

10B-SUB FREQUENCY/RESISTOR TABLES

3rd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C4=120n, C5=6n8, C6=47n | High Pass: C7(abc)=22n Pg.3-2

FREQ (Hz)	LP R5(abc)	HIGH PASS R6	HIGH PASS R7	HIGH PASS R8	FREQ (Hz)	LP R5(abc)	HIGH PASS R6	HIGH PASS R7	HIGH PASS R8
858	5K490	2K370	42K200	6K040	838	5K620	2K430	43K200	6K190
817	5K760	2K490	44K200	6K340	798	5K900	2K550	45K300	6K490
780	6K040	2K610	46K400	6K650	761	6K190	2K670	47K500	6K810
743	6K340	2K740	48K700	6K980	725	6K490	2K800	49K900	7K150
708	6K650	2K870	51K100	7K320	691	6K810	2K940	52K300	7K500
675	6K980	3K010	53K600	7K680	659	7K150	3K090	54K900	7K870
643	7K320	3K160	56K200	8K060	628	7K500	3K240	57K600	8K250
613	7K680	3K320	59K000	8K450	598	7K870	3K400	60K400	8K660
584	8K060	3K480	61K900	8K870	571	8K250	3K570	63K400	9K090
557	8K450	3K650	64K900	9K310	544	8K660	3K740	66K500	9K530
531	8K870	3K830	68K100	10K000	518	9K090	3K920	69K800	10K000
506	9K310	4K020	71K500	10K200	494	9K530	4K120	73K200	10K500
482	9K760	4K220	75K000	10K700	471	10K000	4K320	76K800	11K000
462	10K200	4K420	76K800	11K300	448	10K500	4K530	80K600	11K500
440	10K700	4K640	80K600	11K800	428	11K000	4K750	84K500	12K100
417	11K300	4K870	86K600	12K400	409	11K500	4K990	86K600	12K700
399	11K800	5K110	88K700	13K000	389	12K100	5K230	93K100	13K300
380	12K400	5K360	95K300	13K700	371	12K700	5K490	97K600	14K000
362	13K000	5K620	100K00	14K300	354	13K300	5K760	102K00	14K700
344	13K700	5K900	105K00	15K000	336	14K000	6K040	107K00	15K400
329	14K300	6K190	110K00	15K800	320	14K700	6K340	113K00	16K200
314	15K000	6K490	115K00	16K500	306	15K400	6K650	118K00	16K900
298	15K800	6K810	121K00	17K400	291	16K200	6K980	124K00	17K800
285	16K500	7K150	127K00	18K200	279	16K900	7K320	130K00	18K700
271	17K400	7K500	133K00	19K100	265	17K800	7K680	137K00	19K600
259	18K200	7K870	137K00	20K000	252	18K700	8K060	143K00	20K500
247	19K100	8K250	147K00	21K000	240	19K600	8K450	150K00	21K500
235	20K000	8K660	154K00	22K100	230	20K500	8K870	154K00	22K600
224	21K000	9K090	158K00	23K200	219	21K500	9K310	165K00	23K700
213	22K100	9K530	169K00	24K300	208	22K600	10K000	174K00	24K900
203	23K200	10K000	178K00	25K500	199	23K700	10K200	182K00	26K100
194	24K300	10K500	187K00	26K700	189	24K900	10K700	191K00	27K400
185	25K500	11K000	196K00	28K000	180	26K100	11K300	200K00	28K700
176	26K700	11K500	205K00	29K400	172	27K400	11K800	210K00	30K100
168	28K000	12K100	215K00	30K900	164	28K700	12K400	221K00	31K600
160	29K400	12K700	226K00	32K400	156	30K100	13K000	226K00	33K200
152	30K900	13K300	237K00	34K000	149	31K600	13K700	243K00	34K800
145	32K400	14K000	249K00	35K700	142	33K200	14K300	255K00	36K500
138	34K000	14K700	261K00	37K400	135	34K800	15K000	267K00	38K300
132	35K700	15K400	274K00	39K200	129	36K500	15K800	280K00	40K200
126	37K400	16K200	287K00	41K200	123	38K300	16K500	294K00	42K200
120	39K200	16K900	301K00	43K200	117	40K200	17K400	309K00	44K200
114	41K200	17K800	316K00	45K300	112	42K200	18K200	324K00	46K400
109	43K200	18K700	332K00	47K500	107	44K200	19K100	340K00	48K700
104	45K300	19K600	348K00	49K900	101	46K400	20K000	357K00	51K100
99	47K500	20K500	365K00	52K300	97	48K700	21K000	374K00	53K600
94	49K900	21K500	383K00	54K900	92	51K100	22K100	392K00	56K200
90	52K300	22K600	402K00	57K600	88	53K600	23K200	412K00	59K000
86	54K900	23K700	422K00	60K400	84	56K200	24K300	432K00	61K900
82	57K600	24K900	442K00	63K400	80	59K000	25K500	453K00	64K900

10B-SUB FREQUENCY/RESISTOR TABLES

3rd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C4=120n, C5=6n8, C6=47n | High Pass: C7(abc)=22n Pg.3-3

FREQ (Hz)	LP R5(abc)	HIGH PASS R6	HIGH PASS R7	HIGH PASS R8	FREQ (Hz)	LP R5(abc)	HIGH PASS R6	HIGH PASS R7	HIGH PASS R8
78	60K400	26K100	464K00	66K500	76	61K900	26K700	475K00	68K100
74	63K400	27K400	487K00	69K800	73	64K900	28K000	499K00	71K500
71	66K500	28K700	511K00	73K200	69	68K100	29K400	523K00	75K000
67	69K800	30K100	536K00	76K800	66	71K500	30K900	549K00	78K700
64	73K200	31K600	562K00	80K600	63	75K000	32K400	576K00	82K500
61	76K800	33K200	590K00	84K500	60	78K700	34K000	604K00	86K600
58	80K600	34K800	619K00	88K700	57	82K500	35K700	634K00	90K900
56	84K500	36K500	649K00	93K100	54	86K600	37K400	665K00	95K300
53	88K700	38K300	681K00	100K00	52	90K900	39K200	698K00	100K00
51	93K100	40K200	715K00	102K00	49	95K300	41K200	732K00	105K00
48	97K600	42K200	750K00	107K00	47	100K00	43K200	768K00	110K00
46	102K00	44K200	768K00	113K00	45	105K00	45K300	806K00	115K00
44	107K00	46K400	806K00	118K00	43	110K00	47K500	845K00	121K00
42	113K00	48K700	866K00	124K00	41	115K00	49K900	866K00	127K00
40	118K00	51K100	887K00	130K00	39	121K00	52K300	931K00	133K00
38	124K00	53K600	953K00	137K00	37	127K00	54K900	976K00	140K00
36	130K00	56K200	1M0000	143K00	35	133K00	57K600	1M0200	147K00
34	137K00	59K000	1M0500	150K00	34	140K00	60K400	1M0700	154K00
33	143K00	61K900	1M1000	158K00	32	147K00	63K400	1M1300	162K00
31	150K00	64K900	1M1500	165K00	31	154K00	66K500	1M1800	169K00
30	158K00	68K100	1M2100	174K00	29	162K00	69K800	1M2400	178K00
29	165K00	71K500	1M2700	182K00	28	169K00	73K200	1M3000	187K00
27	174K00	75K000	1M3300	191K00	26	178K00	76K800	1M3700	196K00
26	182K00	78K700	1M3700	200K00	25	187K00	80K600	1M4300	205K00
25	191K00	82K500	1M4700	210K00	24	196K00	84K500	1M5000	215K00
24	200K00	86K600	1M5400	221K00	23	205K00	88K700	1M5400	226K00
22	210K00	90K900	1M5800	232K00	22	215K00	93K100	1M6500	237K00
21	221K00	95K300	1M6900	243K00	21	226K00	100K00	1M7400	249K00
20	232K00	100K00	1M7800	255K00	20	237K00	102K00	1M8200	261K00
19	243K00	105K00	1M8700	267K00	19	249K00	107K00	1M9100	274K00
18	255K00	110K00	1M9600	280K00	18	261K00	113K00	2M0000	287K00
18	267K00	115K00	2M0500	294K00	17	274K00	118K00	2M1000	301K00
17	280K00	121K00	2M1500	309K00	16	287K00	124K00	2M2100	316K00
16	294K00	127K00	2M2600	324K00	16	301K00	130K00	2M2600	332K00

Formulas for 3RD order LOW pass filter are as follows:

PI = 3.14159
C = C4 * (1/3.55)
C6 = 1.39 * C
Fc = 1 / (2 * PI * C * R)

C4 = given
C5 = .202 * C
R = Ra=Rb=Rc = 1 / (2 * PI * Fc * C)

Formulas for 3RD order HIGH pass filter are as follows:

PI = 3.14159
R = 1 / (2 * PI * Fc * C)
R7 = (1/.202) / (2 * PI * Fc) / C
Fc = 1 / (2 * PI * R * C)

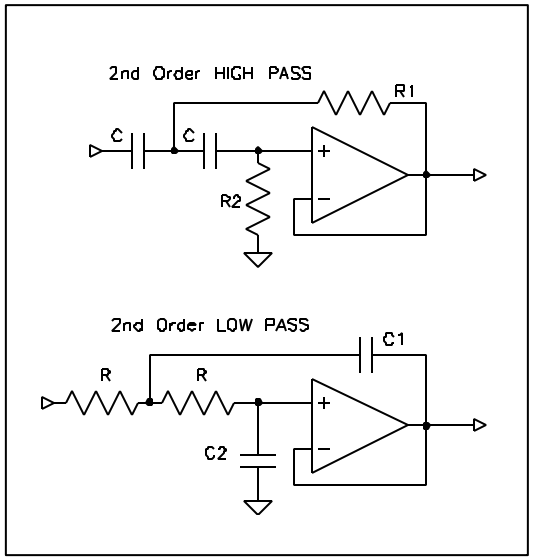
C = C7a = C7b = C7c = given
R6 = (1/3.55) / (2 * PI * Fc) / C
R8 = (1/1.39) / (2 * PI * Fc) / C

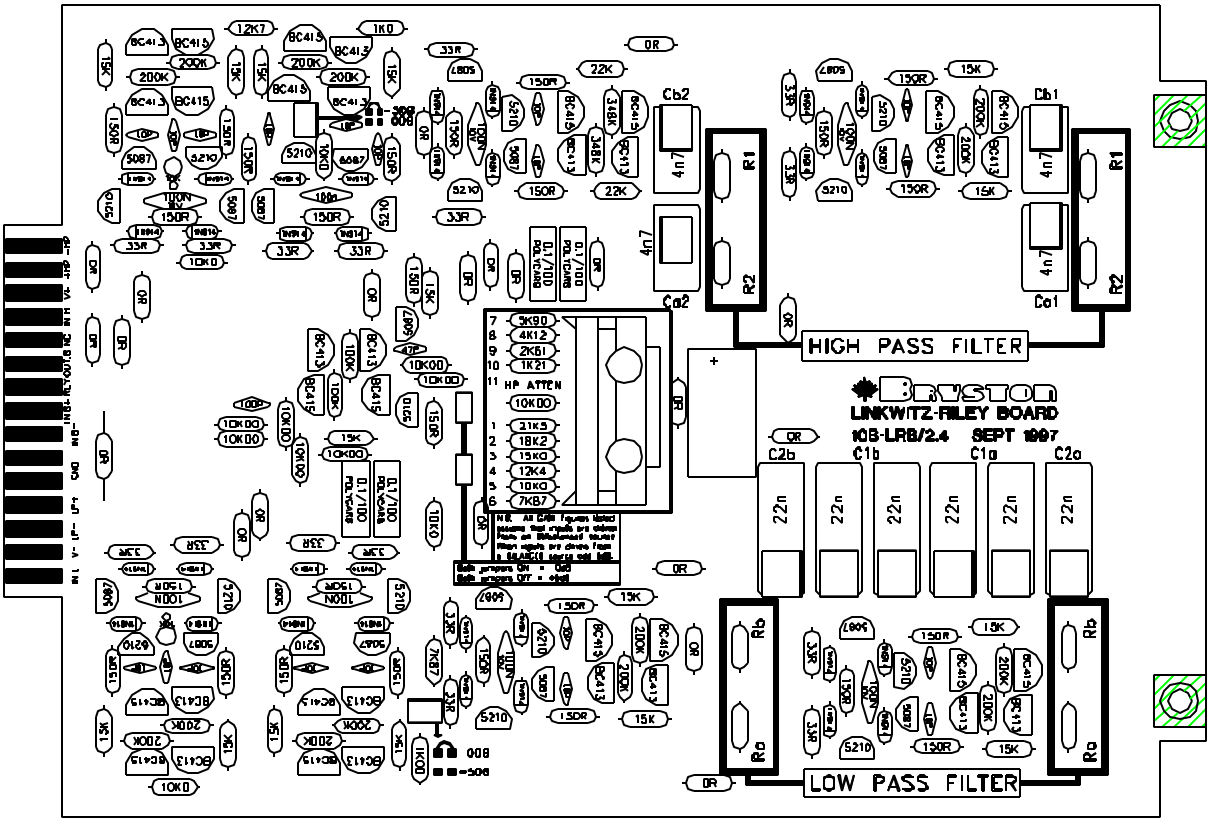
10B-LR FREQUENCY/RESISTOR TABLES

As a Linkwitz-Riley crossover filter is formed by cascading two 2nd order filters, use only the 2nd order tables in determining filter values. The following tables are for those Linktwitz-Riley boards that may have either 20nF, 22nF or 24nF capacitors used for C1 and C2.

Different capacitor values are sometimes substituted due to ongoing difficulties in obtaining precision capacitors in all values, and to adjust for customized frequency ranges. Therefore, you may notice that the low pass capacitors (C1a, C1b, C2a & C2b ~ six axial capacitors in a row in the front left quadrant of the board) may be either 20nF, 22nF or 24nF. Also, please note that C1 is actually formed by paralleling two capacitors of the same value. Parallel capacitors are also used, on occasion, to produce other values of capacitance where needed. The value of two capacitors in parallel is equal to the sum of the two capacitances.

Since the crossover point of the filter is determined by the combination of the capacitor *and* resistor values, altering the capacitor values slightly can be easily compensated for by similarly altering the relevant resistor values. Be sure to inspect the crossover channel boards (both top and bottom) to confirm which low pass capacitor values are used before selecting resistor values from the *appropriate* table.





10B-LR FREQUENCY/RESISTOR TABLES

1% resistors from 499R to 301K and the corresponding crossover frequencies for each. Calculations are based on the following capacitor values:

	LOW pass	HIGH pass
2nd order:	C1=40n, C2=20n	Ca & Cb=4n7

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=40n, C2=20n | High Pass: C(ab)=4n7 Pg.2a-1

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2
11278 Hz	499R	2K100	4K220	11013 Hz	511R	2K150	4K320
10761 Hz	523R	2K210	4K420	10500 Hz	536R	2K260	4K530
10251 Hz	549R	2K320	4K640	10014 Hz	562R	2K370	4K750
9771 Hz	576R	2K430	4K870	9539 Hz	590R	2K490	4K990
9318 Hz	604R	2K550	5K110	9092 Hz	619R	2K610	5K230
8877 Hz	634R	2K670	5K360	8672 Hz	649R	2K740	5K490
8463 Hz	665R	2K800	5K620	8264 Hz	681R	2K870	5K760
8063 Hz	698R	2K940	5K900	7871 Hz	715R	3K010	6K040
7688 Hz	732R	3K090	6K190	7504 Hz	750R	3K160	6K340
7328 Hz	768R	3K240	6K490	7151 Hz	787R	3K320	6K650
6982 Hz	806R	3K400	6K810	6822 Hz	825R	3K480	6K980
6660 Hz	845R	3K570	7K150	6499 Hz	866R	3K650	7K320
6345 Hz	887R	3K740	7K500	6191 Hz	909R	3K830	7K680
6045 Hz	931R	3K920	7K870	5905 Hz	953R	4K020	8K060
5766 Hz	976R	4K120	8K250	5628 Hz	1K000	4K220	8K450
5517 Hz	1K020	4K320	8K660	5360 Hz	1K050	4K420	8K870
5260 Hz	1K070	4K530	9K090	5116 Hz	1K100	4K640	9K310
4980 Hz	1K130	4K750	9K530	4894 Hz	1K150	4K870	9K760
4769 Hz	1K180	4K990	10K000	4651 Hz	1K210	5K110	10K200
4539 Hz	1K240	5K230	10K500	4431 Hz	1K270	5K360	10K700
4329 Hz	1K300	5K490	11K000	4231 Hz	1K330	5K620	11K300
4108 Hz	1K370	5K760	11K500	4020 Hz	1K400	5K900	11K800
3936 Hz	1K430	6K040	12K100	3828 Hz	1K470	6K190	12K400
3752 Hz	1K500	6K340	12K700	3654 Hz	1K540	6K490	13K000
3562 Hz	1K580	6K650	13K300	3474 Hz	1K620	6K810	13K700
3411 Hz	1K650	6K980	14K000	3330 Hz	1K690	7K150	14K300
3234 Hz	1K740	7K320	14K700	3162 Hz	1K780	7K500	15K000
3092 Hz	1K820	7K680	15K400	3010 Hz	1K870	7K870	15K800
2947 Hz	1K910	8K060	16K200	2871 Hz	1K960	8K250	16K500
2814 Hz	2K000	8K450	16K900	2745 Hz	2K050	8K660	17K400
2680 Hz	2K100	8K870	17K800	2618 Hz	2K150	9K090	18K200
2547 Hz	2K210	9K310	18K700	2490 Hz	2K260	9K530	19K100
2426 Hz	2K320	10K000	20K000	2375 Hz	2K370	10K000	20K000
2316 Hz	2K430	10K200	20K500	2260 Hz	2K490	10K500	21K000
2207 Hz	2K550	10K700	21K500	2156 Hz	2K610	11K000	22K100
2108 Hz	2K670	11K300	22K600	2054 Hz	2K740	11K800	23K700
2010 Hz	2K800	11K800	23K700	1961 Hz	2K870	12K100	24K300
1914 Hz	2K940	12K400	24K900	1870 Hz	3K010	12K700	25K500
1821 Hz	3K090	13K000	26K100	1781 Hz	3K160	13K300	26K700
1737 Hz	3K240	13K700	27K400	1695 Hz	3K320	14K000	28K000
1655 Hz	3K400	14K300	28K700	1617 Hz	3K480	14K700	29K400
1576 Hz	3K570	15K000	30K100	1542 Hz	3K650	15K400	30K900
1505 Hz	3K740	15K800	31K600	1469 Hz	3K830	16K200	32K400
1436 Hz	3K920	16K500	33K200	1400 Hz	4K020	16K900	34K000
1366 Hz	4K120	17K400	34K800	1334 Hz	4K220	17K800	35K700
1303 Hz	4K320	18K200	36K500	1273 Hz	4K420	18K700	37K400
1242 Hz	4K530	19K100	38K300	1213 Hz	4K640	19K600	39K200
1185 Hz	4K750	20K000	40K200	1156 Hz	4K870	20K500	41K200
1128 Hz	4K990	21K000	42K200	1101 Hz	5K110	21K500	43K200

10B-LR FREQUENCY/RESISTOR TABLES

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=40n, C2=20n | High Pass: C(ab)=4n7 Pg.2a-2

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2
1076 Hz	5K230	22K100	44K200	1050 Hz	5K360	22K600	45K300
1025 Hz	5K490	23K200	46K400	1001 Hz	5K620	23K700	47K500
977 Hz	5K760	24K300	48K700	954 Hz	5K900	24K900	49K900
932 Hz	6K040	25K500	51K100	909 Hz	6K190	26K100	52K300
888 Hz	6K340	26K700	53K600	867 Hz	6K490	27K400	54K900
846 Hz	6K650	28K000	56K200	826 Hz	6K810	28K700	57K600
806 Hz	6K980	29K400	59K000	787 Hz	7K150	30K100	60K400
769 Hz	7K320	30K900	61K900	750 Hz	7K500	31K600	63K400
733 Hz	7K680	32K400	64K900	715 Hz	7K870	33K200	66K500
698 Hz	8K060	34K000	68K100	682 Hz	8K250	34K800	69K800
666 Hz	8K450	35K700	71K500	650 Hz	8K660	36K500	73K200
634 Hz	8K870	37K400	75K000	619 Hz	9K090	38K300	76K800
604 Hz	9K310	39K200	78K700	591 Hz	9K530	40K200	80K600
577 Hz	9K760	41K200	82K500	563 Hz	10K000	42K200	84K500
552 Hz	10K200	43K200	86K600	536 Hz	10K500	44K200	88K700
526 Hz	10K700	45K300	90K900	512 Hz	11K000	46K400	93K100
498 Hz	11K300	47K500	95K300	489 Hz	11K500	48K700	97K600
477 Hz	11K800	49K900	100K00	465 Hz	12K100	51K100	102K00
454 Hz	12K400	52K300	105K00	443 Hz	12K700	53K600	107K00
433 Hz	13K000	54K900	110K00	423 Hz	13K300	56K200	113K00
411 Hz	13K700	57K600	115K00	402 Hz	14K000	59K000	118K00
394 Hz	14K300	60K400	121K00	383 Hz	14K700	61K900	124K00
375 Hz	15K000	63K400	127K00	365 Hz	15K400	64K900	130K00
356 Hz	15K800	66K500	133K00	347 Hz	16K200	68K100	137K00
341 Hz	16K500	69K800	140K00	333 Hz	16K900	71K500	143K00
323 Hz	17K400	73K200	147K00	316 Hz	17K800	75K000	150K00
309 Hz	18K200	76K800	154K00	301 Hz	18K700	78K700	158K00
295 Hz	19K100	80K600	162K00	287 Hz	19K600	82K500	165K00
281 Hz	20K000	84K500	169K00	275 Hz	20K500	86K600	174K00
268 Hz	21K000	88K700	178K00	262 Hz	21K500	90K900	182K00
255 Hz	22K100	93K100	187K00	249 Hz	22K600	95K300	191K00
243 Hz	23K200	100K00	200K00	237 Hz	23K700	100K00	200K00
232 Hz	24K300	102K00	205K00	226 Hz	24K900	105K00	210K00
221 Hz	25K500	107K00	215K00	216 Hz	26K100	110K00	221K00
211 Hz	26K700	113K00	226K00	205 Hz	27K400	118K00	237K00
201 Hz	28K000	118K00	237K00	196 Hz	28K700	121K00	243K00
191 Hz	29K400	124K00	249K00	187 Hz	30K100	127K00	255K00
182 Hz	30K900	130K00	261K00	178 Hz	31K600	133K00	267K00
174 Hz	32K400	137K00	274K00	170 Hz	33K200	140K00	280K00
166 Hz	34K000	143K00	287K00	162 Hz	34K800	147K00	294K00
158 Hz	35K700	150K00	301K00	154 Hz	36K500	154K00	309K00
150 Hz	37K400	158K00	316K00	147 Hz	38K300	162K00	324K00
144 Hz	39K200	165K00	332K00	140 Hz	40K200	169K00	340K00
137 Hz	41K200	174K00	348K00	133 Hz	42K200	178K00	357K00
130 Hz	43K200	182K00	365K00	127 Hz	44K200	187K00	374K00
124 Hz	45K300	191K00	383K00	121 Hz	46K400	196K00	392K00
118 Hz	47K500	200K00	402K00	116 Hz	48K700	205K00	412K00
113 Hz	49K900	210K00	422K00	110 Hz	51K100	215K00	432K00
108 Hz	52K300	221K00	442K00	105 Hz	53K600	226K00	453K00
103 Hz	54K900	232K00	464K00	100 Hz	56K200	237K00	475K00
98 Hz	57K600	243K00	487K00	95 Hz	59K000	249K00	499K00

10B-LR FREQUENCY/RESISTOR TABLES

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=40n, C2=20n | High Pass: C(ab)=4n7 Pg.2a-3

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2
93 Hz	60K400	255K00	511K00	91 Hz	61K900	261K00	523K00
89 Hz	63K400	267K00	536K00	87 Hz	64K900	274K00	549K00
85 Hz	66K500	280K00	562K00	83 Hz	68K100	287K00	576K00
81 Hz	69K800	294K00	590K00	79 Hz	71K500	301K00	604K00
77 Hz	73K200	309K00	619K00	75 Hz	75K000	316K00	634K00
73 Hz	76K800	324K00	649K00	72 Hz	78K700	332K00	665K00
70 Hz	80K600	340K00	681K00	68 Hz	82K500	348K00	698K00
67 Hz	84K500	357K00	715K00	65 Hz	86K600	365K00	732K00
63 Hz	88K700	374K00	750K00	62 Hz	90K900	383K00	768K00
60 Hz	93K100	392K00	787K00	59 Hz	95K300	402K00	806K00
58 Hz	97K600	412K00	825K00	56 Hz	100K00	422K00	845K00
55 Hz	102K00	432K00	866K00	54 Hz	105K00	442K00	887K00
53 Hz	107K00	453K00	909K00	51 Hz	110K00	464K00	931K00
50 Hz	113K00	475K00	953K00	49 Hz	115K00	487K00	976K00
48 Hz	118K00	499K00	1M0000	47 Hz	121K00	511K00	1M0200
45 Hz	124K00	523K00	1M0500	44 Hz	127K00	536K00	1M0700
43 Hz	130K00	549K00	1M1000	42 Hz	133K00	562K00	1M1300
41 Hz	137K00	576K00	1M1500	40 Hz	140K00	590K00	1M1800
39 Hz	143K00	604K00	1M2100	38 Hz	147K00	619K00	1M2400
38 Hz	150K00	634K00	1M2700	37 Hz	154K00	649K00	1M3000
36 Hz	158K00	665K00	1M3300	35 Hz	162K00	681K00	1M3700
34 Hz	165K00	698K00	1M4000	33 Hz	169K00	715K00	1M4300
32 Hz	174K00	732K00	1M4700	32 Hz	178K00	750K00	1M5000
31 Hz	182K00	768K00	1M5400	30 Hz	187K00	787K00	1M5800
29 Hz	191K00	806K00	1M6200	29 Hz	196K00	825K00	1M6500
28 Hz	200K00	845K00	1M6900	27 Hz	205K00	866K00	1M7400
27 Hz	210K00	887K00	1M7800	26 Hz	215K00	909K00	1M8200
25 Hz	221K00	931K00	1M8700	25 Hz	226K00	953K00	1M9100
24 Hz	232K00	1M0000	2M0000	24 Hz	237K00	1M0000	2M0000
23 Hz	243K00	1M0200	2M0500	23 Hz	249K00	1M0500	2M1000
22 Hz	255K00	1M0700	2M1500	22 Hz	261K00	1M1000	2M2100
21 Hz	267K00	1M1300	2M2600	21 Hz	274K00	1M1800	2M3700
20 Hz	280K00	1M1800	2M3700	20 Hz	287K00	1M2100	2M4300
19 Hz	294K00	1M2400	2M4900	19 Hz	301K00	1M2700	2M5500

Formulas for 2nd order LOW pass filter are as follows:

PI = 3.14159 C = 1 / (2 * PI * Fc * R)
C1 = 1.414 * C C2 = .707 * C
R = Ra = Rb = 1 / (2 * PI * Fc * C)
Fc = (1 / SQR(C1 * C2 * Ra * Rb)) / (2 * PI) = (1 / SQR(C^2 * R^2)) / (2 * PI)

Formulas for 2nd order HIGH pass filter are as follows:

PI = 3.14159 C = Ca = Cb = 1 / (2 * PI * Fc * R)
R = 1 / (2 * PI * Fc * C) R1 = .707 * R
R2 = 1.414 * R
Fc = (1 / SQR(Ca * Cb * R1 * R2)) / (2 * PI) = (1 / SQR(C^2 * R^2)) / (2 * PI)

10B-LR FREQUENCY/RESISTOR TABLES

Bryston 10B-LR Crossover Resistor Lists

1% resistors from 499R to 301K and the corresponding crossover frequencies for each. Calculations are based on the following capacitor values:

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=44n, C2=22n | High Pass: C(ab)=4n7 Pg.2-1

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2
10253 Hz	499R	2K320	4K640	10012 Hz	511R	2K370	4K750
9782 Hz	523R	2K430	4K870	9545 Hz	536R	2K490	4K990
9319 Hz	549R	2K550	5K110	9104 Hz	562R	2K610	5K230
8882 Hz	576R	2K670	5K360	8672 Hz	590R	2K740	5K490
8471 Hz	604R	2K800	5K620	8265 Hz	619R	2K870	5K760
8070 Hz	634R	2K940	5K900	7883 Hz	649R	3K010	6K040
7694 Hz	665R	3K090	6K190	7513 Hz	681R	3K160	6K340
7330 Hz	698R	3K240	6K490	7156 Hz	715R	3K320	6K650
6989 Hz	732R	3K400	6K810	6822 Hz	750R	3K480	6K980
6662 Hz	768R	3K570	7K150	6501 Hz	787R	3K650	7K320
6348 Hz	806R	3K740	7K500	6201 Hz	825R	3K830	7K680
6055 Hz	845R	3K920	7K870	5908 Hz	866R	4K020	8K060
5768 Hz	887R	4K120	8K250	5628 Hz	909R	4K220	8K450
5495 Hz	931R	4K320	8K660	5369 Hz	953R	4K420	8K870
5242 Hz	976R	4K530	9K090	5116 Hz	1K000	4K640	9K310
5016 Hz	1K020	4K750	9K530	4873 Hz	1K050	4K870	9K760
4782 Hz	1K070	4K990	10K000	4651 Hz	1K100	5K110	10K200
4528 Hz	1K130	5K230	10K500	4449 Hz	1K150	5K360	10K700
4336 Hz	1K180	5K490	11K000	4228 Hz	1K210	5K620	11K300
4126 Hz	1K240	5K760	11K500	4029 Hz	1K270	5K900	11K800
3936 Hz	1K300	6K040	12K100	3847 Hz	1K330	6K190	12K400
3734 Hz	1K370	6K340	12K700	3654 Hz	1K400	6K490	13K000
3578 Hz	1K430	6K650	13K300	3480 Hz	1K470	6K810	13K700
3411 Hz	1K500	6K980	14K000	3322 Hz	1K540	7K150	14K300
3238 Hz	1K580	7K320	14K700	3158 Hz	1K620	7K500	15K000
3101 Hz	1K650	7K680	15K400	3027 Hz	1K690	7K870	15K800
2940 Hz	1K740	8K060	16K200	2874 Hz	1K780	8K250	16K500
2811 Hz	1K820	8K450	16K900	2736 Hz	1K870	8K660	17K400
2679 Hz	1K910	8K870	17K800	2610 Hz	1K960	9K090	18K200
2558 Hz	2K000	9K310	18K700	2496 Hz	2K050	9K530	19K100
2436 Hz	2K100	10K000	20K000	2380 Hz	2K150	10K000	20K000
2315 Hz	2K210	10K200	20K500	2264 Hz	2K260	10K500	21K000
2205 Hz	2K320	11K000	22K100	2159 Hz	2K370	11K000	22K100
2105 Hz	2K430	11K300	22K600	2055 Hz	2K490	11K800	23K700
2006 Hz	2K550	11K800	23K700	1960 Hz	2K610	12K100	24K300
1916 Hz	2K670	12K400	24K900	1867 Hz	2K740	12K700	25K500
1827 Hz	2K800	13K000	26K100	1783 Hz	2K870	13K300	26K700
1740 Hz	2K940	13K700	27K400	1700 Hz	3K010	14K000	28K000
1656 Hz	3K090	14K300	28K700	1619 Hz	3K160	14K700	29K400
1579 Hz	3K240	15K000	30K100	1541 Hz	3K320	15K400	30K900
1505 Hz	3K400	15K800	31K600	1470 Hz	3K480	16K200	32K400
1433 Hz	3K570	16K900	34K000	1402 Hz	3K650	16K900	34K000
1368 Hz	3K740	17K400	34K800	1336 Hz	3K830	17K800	35K700
1305 Hz	3K920	18K200	36K500	1273 Hz	4K020	18K700	37K400
1242 Hz	4K120	19K100	38K300	1212 Hz	4K220	19K600	39K200
1184 Hz	4K320	20K000	40K200	1158 Hz	4K420	20K500	41K200
1129 Hz	4K530	21K000	42K200	1103 Hz	4K640	21K500	43K200
1077 Hz	4K750	22K100	44K200	1051 Hz	4K870	22K600	45K300
1025 Hz	4K990	23K200	46K400	1001 Hz	5K110	23K700	47K500
978 Hz	5K230	24K300	48K700	955 Hz	5K360	24K900	49K900

10B-LR FREQUENCY/RESISTOR TABLES

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=44n, C2=22n | High Pass: C(ab)=4n7 Pg.2-2

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2
932 Hz	5K490	25K500	51K100	910 Hz	5K620	26K100	52K300
888 Hz	5K760	26K700	53K600	867 Hz	5K900	27K400	54K900
847 Hz	6K040	28K000	56K200	827 Hz	6K190	28K700	57K600
807 Hz	6K340	29K400	59K000	788 Hz	6K490	30K100	60K400
769 Hz	6K650	30K900	61K900	751 Hz	6K810	31K600	63K400
733 Hz	6K980	32K400	64K900	716 Hz	7K150	33K200	66K500
699 Hz	7K320	34K000	68K100	682 Hz	7K500	34K800	69K800
666 Hz	7K680	35K700	71K500	650 Hz	7K870	36K500	73K200
635 Hz	8K060	37K400	75K000	620 Hz	8K250	38K300	76K800
605 Hz	8K450	39K200	78K700	591 Hz	8K660	40K200	80K600
577 Hz	8K870	41K200	82K500	563 Hz	9K090	42K200	84K500
550 Hz	9K310	43K200	86K600	537 Hz	9K530	44K200	88K700
524 Hz	9K760	45K300	90K900	512 Hz	10K000	46K400	93K100
502 Hz	10K200	47K500	95K300	487 Hz	10K500	48K700	97K600
478 Hz	10K700	49K900	100K00	465 Hz	11K000	51K100	102K00
453 Hz	11K300	52K300	105K00	445 Hz	11K500	53K600	107K00
434 Hz	11K800	54K900	110K00	423 Hz	12K100	56K200	113K00
413 Hz	12K400	57K600	115K00	403 Hz	12K700	59K000	118K00
394 Hz	13K000	60K400	121K00	385 Hz	13K300	61K900	124K00
373 Hz	13K700	63K400	127K00	365 Hz	14K000	64K900	130K00
358 Hz	14K300	66K500	133K00	348 Hz	14K700	68K100	137K00
341 Hz	15K000	69K800	140K00	332 Hz	15K400	71K500	143K00
324 Hz	15K800	73K200	147K00	316 Hz	16K200	75K000	150K00
310 Hz	16K500	76K800	154K00	303 Hz	16K900	78K700	158K00
294 Hz	17K400	80K600	162K00	287 Hz	17K800	82K500	165K00
281 Hz	18K200	84K500	169K00	274 Hz	18K700	86K600	174K00
268 Hz	19K100	88K700	178K00	261 Hz	19K600	90K900	182K00
256 Hz	20K000	93K100	187K00	250 Hz	20K500	95K300	191K00
244 Hz	21K000	100K00	200K00	238 Hz	21K500	100K00	200K00
232 Hz	22K100	102K00	205K00	226 Hz	22K600	105K00	210K00
221 Hz	23K200	110K00	221K00	216 Hz	23K700	110K00	221K00
211 Hz	24K300	113K00	226K00	205 Hz	24K900	118K00	237K00
201 Hz	25K500	118K00	237K00	196 Hz	26K100	121K00	243K00
192 Hz	26K700	124K00	249K00	187 Hz	27K400	127K00	255K00
183 Hz	28K000	130K00	261K00	178 Hz	28K700	133K00	267K00
174 Hz	29K400	137K00	274K00	170 Hz	30K100	140K00	280K00
166 Hz	30K900	143K00	287K00	162 Hz	31K600	147K00	294K00
158 Hz	32K400	150K00	301K00	154 Hz	33K200	154K00	309K00
150 Hz	34K000	158K00	316K00	147 Hz	34K800	162K00	324K00
143 Hz	35K700	169K00	340K00	140 Hz	36K500	169K00	340K00
137 Hz	37K400	174K00	348K00	134 Hz	38K300	178K00	357K00
131 Hz	39K200	182K00	365K00	127 Hz	40K200	187K00	374K00
124 Hz	41K200	191K00	383K00	121 Hz	42K200	196K00	392K00
118 Hz	43K200	200K00	402K00	116 Hz	44K200	205K00	412K00
113 Hz	45K300	210K00	422K00	110 Hz	46K400	215K00	432K00
108 Hz	47K500	221K00	442K00	105 Hz	48K700	226K00	453K00
103 Hz	49K900	232K00	464K00	100 Hz	51K100	237K00	475K00
98 Hz	52K300	243K00	487K00	95 Hz	53K600	249K00	499K00
93 Hz	54K900	255K00	511K00	91 Hz	56K200	261K00	523K00
89 Hz	57K600	267K00	536K00	87 Hz	59K000	274K00	549K00

10B-LR FREQUENCY/RESISTOR TABLES

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=44n, C2=22n | High Pass: C(ab)=4n7 Pg.2-3

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2
85 Hz	60K400	280K00	562K00	83 Hz	61K900	287K00	576K00
81 Hz	63K400	294K00	590K00	79 Hz	64K900	301K00	604K00
77 Hz	66K500	309K00	619K00	75 Hz	68K100	316K00	634K00
73 Hz	69K800	324K00	649K00	72 Hz	71K500	332K00	665K00
70 Hz	73K200	340K00	681K00	68 Hz	75K000	348K00	698K00
67 Hz	76K800	357K00	715K00	65 Hz	78K700	365K00	732K00
63 Hz	80K600	374K00	750K00	62 Hz	82K500	383K00	768K00
61 Hz	84K500	392K00	787K00	59 Hz	86K600	402K00	806K00
58 Hz	88K700	412K00	825K00	56 Hz	90K900	422K00	845K00
55 Hz	93K100	432K00	866K00	54 Hz	95K300	442K00	887K00
52 Hz	97K600	453K00	909K00	51 Hz	100K00	464K00	931K00
50 Hz	102K00	475K00	953K00	49 Hz	105K00	487K00	976K00
48 Hz	107K00	499K00	1M0000	47 Hz	110K00	511K00	1M0200
45 Hz	113K00	523K00	1M0500	44 Hz	115K00	536K00	1M0700
43 Hz	118K00	549K00	1M1000	42 Hz	121K00	562K00	1M1300
41 Hz	124K00	576K00	1M1500	40 Hz	127K00	590K00	1M1800
39 Hz	130K00	604K00	1M2100	38 Hz	133K00	619K00	1M2400
37 Hz	137K00	634K00	1M2700	37 Hz	140K00	649K00	1M3000
36 Hz	143K00	665K00	1M3300	35 Hz	147K00	681K00	1M3700
34 Hz	150K00	698K00	1M4000	33 Hz	154K00	715K00	1M4300
32 Hz	158K00	732K00	1M4700	32 Hz	162K00	750K00	1M5000
31 Hz	165K00	768K00	1M5400	30 Hz	169K00	787K00	1M5800
29 Hz	174K00	806K00	1M6200	29 Hz	178K00	825K00	1M6500
28 Hz	182K00	845K00	1M6900	27 Hz	187K00	866K00	1M7400
27 Hz	191K00	887K00	1M7800	26 Hz	196K00	909K00	1M8200
26 Hz	200K00	931K00	1M8700	25 Hz	205K00	953K00	1M9100
24 Hz	210K00	1M0000	2M0000	24 Hz	215K00	1M0000	2M0000
23 Hz	221K00	1M0200	2M0500	23 Hz	226K00	1M0500	2M1000
22 Hz	232K00	1M1000	2M2100	22 Hz	237K00	1M1000	2M2100
21 Hz	243K00	1M1300	2M2600	21 Hz	249K00	1M1800	2M3700
20 Hz	255K00	1M1800	2M3700	20 Hz	261K00	1M2100	2M4300
19 Hz	267K00	1M2400	2M4900	19 Hz	274K00	1M2700	2M5500
18 Hz	280K00	1M3000	2M6100	18 Hz	287K00	1M3300	2M6700
17 Hz	294K00	1M3700	2M7400	17 Hz	301K00	1M4000	2M8000

Formulas for 2nd order LOW pass filter are as follows:

PI = 3.14159 C = 1 / (2 * PI * Fc * R)
C1 = 1.414 * C C2 = .707 * C
R = Ra = Rb = 1 / (2 * PI * Fc * C)
Fc = (1 / SQR(C1 * C2 * Ra * Rb)) / (2 * PI) = (1 / SQR(C^2 * R^2)) / (2 * PI)

Formulas for 2nd order HIGH pass filter are as follows:

PI = 3.14159 C = Ca = Cb = 1 / (2 * PI * Fc * R)
R = 1 / (2 * PI * Fc * C) R1 = .707 * R
R2 = 1.414 * R
Fc = (1 / SQR(Ca * Cb * R1 * R2)) / (2 * PI) = (1 / SQR(C^2 * R^2)) / (2 * PI)

10B-LR FREQUENCY/RESISTOR TABLES

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=48n, C2=24n | High Pass: C(ab)=4n7 Pg.2b-1

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	R2
9399 Hz	499R	2K550	5K110	9178 Hz	511R	2K610	5K230
8967 Hz	523R	2K670	5K360	8750 Hz	536R	2K740	5K490
8543 Hz	549R	2K800	5K620	8345 Hz	562R	2K870	5K760
8142 Hz	576R	2K940	5K900	7949 Hz	590R	3K010	6K040
7765 Hz	604R	3K090	6K190	7577 Hz	619R	3K160	6K340
7397 Hz	634R	3K240	6K490	7226 Hz	649R	3K320	6K650
7052 Hz	665R	3K400	6K810	6887 Hz	681R	3K480	6K980
6719 Hz	698R	3K570	7K150	6559 Hz	715R	3K650	7K320
6407 Hz	732R	3K740	7K500	6253 Hz	750R	3K830	7K680
6107 Hz	768R	3K920	7K870	5959 Hz	787R	4K020	8K060
5819 Hz	806R	4K120	8K250	5685 Hz	825R	4K220	8K450
5550 Hz	845R	4K320	8K660	5416 Hz	866R	4K420	8K870
5287 Hz	887R	4K530	9K090	5159 Hz	909R	4K640	9K310
5037 Hz	931R	4K750	9K530	4921 Hz	953R	4K870	9K760
4805 Hz	976R	4K990	10K000	4690 Hz	1K000	5K110	10K200
4598 Hz	1K020	5K230	10K500	4467 Hz	1K050	5K360	10K700
4383 Hz	1K070	5K490	11K000	4264 Hz	1K100	5K620	11K300
4150 Hz	1K130	5K760	11K500	4078 Hz	1K150	5K900	11K800
3974 Hz	1K180	6K040	12K100	3876 Hz	1K210	6K190	12K400
3782 Hz	1K240	6K340	12K700	3693 Hz	1K270	6K490	13K000
3608 Hz	1K300	6K650	13K300	3526 Hz	1K330	6K810	13K700
3423 Hz	1K370	6K980	14K000	3350 Hz	1K400	7K150	14K300
3280 Hz	1K430	7K320	14K700	3190 Hz	1K470	7K500	15K000
3127 Hz	1K500	7K680	15K400	3045 Hz	1K540	7K870	15K800
2968 Hz	1K580	8K060	16K200	2895 Hz	1K620	8K250	16K500
2842 Hz	1K650	8K450	16K900	2775 Hz	1K690	8K660	17K400
2695 Hz	1K740	8K870	17K800	2635 Hz	1K780	9K090	18K200
2577 Hz	1K820	9K310	18K700	2508 Hz	1K870	9K530	19K100
2455 Hz	1K910	9K760	19K600	2393 Hz	1K960	10K000	20K000
2345 Hz	2K000	10K200	20K500	2288 Hz	2K050	10K500	21K000
2233 Hz	2K100	10K700	21K500	2181 Hz	2K150	11K000	22K100
2122 Hz	2K210	11K300	22K600	2075 Hz	2K260	11K500	23K200
2021 Hz	2K320	11K800	23K700	1979 Hz	2K370	12K100	24K300
1930 Hz	2K430	12K400	24K900	1883 Hz	2K490	12K700	25K500
1839 Hz	2K550	13K000	26K100	1797 Hz	2K610	13K300	26K700
1757 Hz	2K670	13K700	27K400	1712 Hz	2K740	14K000	28K000
1675 Hz	2K800	14K300	28K700	1634 Hz	2K870	14K700	29K400
1595 Hz	2K940	15K000	30K100	1558 Hz	3K010	15K400	30K900
1518 Hz	3K090	15K800	31K600	1484 Hz	3K160	16K200	32K400
1447 Hz	3K240	16K500	33K200	1413 Hz	3K320	16K900	34K000
1379 Hz	3K400	17K400	34K800	1348 Hz	3K480	17K800	35K700
1314 Hz	3K570	18K200	36K500	1285 Hz	3K650	18K700	37K400
1254 Hz	3K740	19K100	38K300	1225 Hz	3K830	19K600	39K200
1196 Hz	3K920	20K000	40K200	1167 Hz	4K020	20K500	41K200
1138 Hz	4K120	21K000	42K200	1111 Hz	4K220	21K500	43K200
1086 Hz	4K320	22K100	44K200	1061 Hz	4K420	22K600	45K300

10B-LR FREQUENCY/RESISTOR TABLES

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=48n, C2=24n | High Pass: C(ab)=4n7 Pg.2b-2

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2
1035 Hz	4K530	23K200	46K400	1011 Hz	4K640	23K700	47K500
987 Hz	4K750	24K300	48K700	963 Hz	4K870	24K900	49K900
940 Hz	4K990	25K500	51K100	918 Hz	5K110	26K100	52K300
897 Hz	5K230	26K700	53K600	875 Hz	5K360	27K400	54K900
854 Hz	5K490	28K000	56K200	834 Hz	5K620	28K700	57K600
814 Hz	5K760	29K400	59K000	795 Hz	5K900	30K100	60K400
776 Hz	6K040	30K900	61K900	758 Hz	6K190	31K600	63K400
740 Hz	6K340	32K400	64K900	723 Hz	6K490	33K200	66K500
705 Hz	6K650	34K000	68K100	689 Hz	6K810	34K800	69K800
672 Hz	6K980	35K700	71K500	656 Hz	7K150	36K500	73K200
641 Hz	7K320	37K400	75K000	625 Hz	7K500	38K300	76K800
611 Hz	7K680	39K200	78K700	596 Hz	7K870	40K200	80K600
582 Hz	8K060	41K200	82K500	568 Hz	8K250	42K200	84K500
555 Hz	8K450	43K200	86K600	542 Hz	8K660	44K200	88K700
529 Hz	8K870	45K300	90K900	516 Hz	9K090	46K400	93K100
504 Hz	9K310	47K500	95K300	492 Hz	9K530	48K700	97K600
481 Hz	9K760	49K900	100K00	469 Hz	10K000	51K100	102K00
460 Hz	10K200	52K300	105K00	447 Hz	10K500	53K600	107K00
438 Hz	10K700	54K900	110K00	426 Hz	11K000	56K200	113K00
415 Hz	11K300	57K600	115K00	408 Hz	11K500	59K000	118K00
397 Hz	11K800	60K400	121K00	388 Hz	12K100	61K900	124K00
378 Hz	12K400	63K400	127K00	369 Hz	12K700	64K900	130K00
361 Hz	13K000	66K500	133K00	353 Hz	13K300	68K100	137K00
342 Hz	13K700	69K800	140K00	335 Hz	14K000	71K500	143K00
328 Hz	14K300	73K200	147K00	319 Hz	14K700	75K000	150K00
313 Hz	15K000	76K800	154K00	305 Hz	15K400	78K700	158K00
297 Hz	15K800	80K600	162K00	289 Hz	16K200	82K500	165K00
284 Hz	16K500	84K500	169K00	278 Hz	16K900	86K600	174K00
270 Hz	17K400	88K700	178K00	263 Hz	17K800	90K900	182K00
258 Hz	18K200	93K100	187K00	251 Hz	18K700	95K300	191K00
246 Hz	19K100	97K600	196K00	239 Hz	19K600	100K00	200K00
234 Hz	20K000	102K00	205K00	229 Hz	20K500	105K00	210K00
223 Hz	21K000	107K00	215K00	218 Hz	21K500	110K00	221K00
212 Hz	22K100	113K00	226K00	208 Hz	22K600	115K00	232K00
202 Hz	23K200	118K00	237K00	198 Hz	23K700	121K00	243K00
193 Hz	24K300	124K00	249K00	188 Hz	24K900	127K00	255K00
184 Hz	25K500	130K00	261K00	180 Hz	26K100	133K00	267K00
176 Hz	26K700	137K00	274K00	171 Hz	27K400	140K00	280K00
167 Hz	28K000	143K00	287K00	163 Hz	28K700	147K00	294K00
160 Hz	29K400	150K00	301K00	156 Hz	30K100	154K00	309K00
152 Hz	30K900	158K00	316K00	148 Hz	31K600	162K00	324K00
145 Hz	32K400	165K00	332K00	141 Hz	33K200	169K00	340K00
138 Hz	34K000	174K00	348K00	135 Hz	34K800	178K00	357K00
131 Hz	35K700	182K00	365K00	128 Hz	36K500	187K00	374K00
125 Hz	37K400	191K00	383K00	122 Hz	38K300	196K00	392K00
120 Hz	39K200	200K00	402K00	117 Hz	40K200	205K00	412K00
114 Hz	41K200	210K00	422K00	111 Hz	42K200	215K00	432K00
109 Hz	43K200	221K00	442K00	106 Hz	44K200	226K00	453K00
104 Hz	45K300	232K00	464K00	101 Hz	46K400	237K00	475K00
99 Hz	47K500	243K00	487K00	96 Hz	48K700	249K00	499K00
94 Hz	49K900	255K00	511K00	92 Hz	51K100	261K00	523K00
90 Hz	52K300	267K00	536K00	87 Hz	53K600	274K00	549K00
85 Hz	54K900	280K00	562K00	83 Hz	56K200	287K00	576K00
81 Hz	57K600	294K00	590K00	79 Hz	59K000	301K00	604K00

10B-LR FREQUENCY/RESISTOR TABLES

2nd ORDER FILTER FREQUENCY/RESISTOR TABLES for BRYSTON 10B CROSSOVER
Low pass: C1=48n, C2=24n | High Pass: C(ab)=4n7 Pg.2b-3

CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2	CROSSOVER FREQ.	LOW PASS Ra,Rb	HIGH PASS R1	HIGH PASS R2
78 Hz	60K400	309K00	619K00	76 Hz	61K900	316K00	634K00
74 Hz	63K400	324K00	649K00	72 Hz	64K900	332K00	665K00
71 Hz	66K500	340K00	681K00	69 Hz	68K100	348K00	698K00
67 Hz	69K800	357K00	715K00	66 Hz	71K500	365K00	732K00
64 Hz	73K200	374K00	750K00	63 Hz	75K000	383K00	768K00
61 Hz	76K800	392K00	787K00	60 Hz	78K700	402K00	806K00
58 Hz	80K600	412K00	825K00	57 Hz	82K500	422K00	845K00
56 Hz	84K500	432K00	866K00	54 Hz	86K600	442K00	887K00
53 Hz	88K700	453K00	909K00	52 Hz	90K900	464K00	931K00
50 Hz	93K100	475K00	953K00	49 Hz	95K300	487K00	976K00
48 Hz	97K600	499K00	1M0000	47 Hz	100K00	511K00	1M0200
46 Hz	102K00	523K00	1M0500	45 Hz	105K00	536K00	1M0700
44 Hz	107K00	549K00	1M1000	43 Hz	110K00	562K00	1M1300
42 Hz	113K00	576K00	1M1500	41 Hz	115K00	590K00	1M1800
40 Hz	118K00	604K00	1M2100	39 Hz	121K00	619K00	1M2400
38 Hz	124K00	634K00	1M2700	37 Hz	127K00	649K00	1M3000
36 Hz	130K00	665K00	1M3300	35 Hz	133K00	681K00	1M3700
34 Hz	137K00	698K00	1M4000	33 Hz	140K00	715K00	1M4300
33 Hz	143K00	732K00	1M4700	32 Hz	147K00	750K00	1M5000
31 Hz	150K00	768K00	1M5400	30 Hz	154K00	787K00	1M5800
30 Hz	158K00	806K00	1M6200	29 Hz	162K00	825K00	1M6500
28 Hz	165K00	845K00	1M6900	28 Hz	169K00	866K00	1M7400
27 Hz	174K00	887K00	1M7800	26 Hz	178K00	909K00	1M8200
26 Hz	182K00	931K00	1M8700	25 Hz	187K00	953K00	1M9100
25 Hz	191K00	976K00	1M9600	24 Hz	196K00	1M0000	2M0000
23 Hz	200K00	1M0200	2M0500	23 Hz	205K00	1M0500	2M1000
22 Hz	210K00	1M0700	2M1500	22 Hz	215K00	1M1000	2M2100
21 Hz	221K00	1M1300	2M2600	21 Hz	226K00	1M1500	2M3200
20 Hz	232K00	1M1800	2M3700	20 Hz	237K00	1M2100	2M4300
19 Hz	243K00	1M2400	2M4900	19 Hz	249K00	1M2700	2M5500
18 Hz	255K00	1M3000	2M6100	18 Hz	261K00	1M3300	2M6700
18 Hz	267K00	1M3700	2M7400	17 Hz	274K00	1M4000	2M8000
17 Hz	280K00	1M4300	2M8700	16 Hz	287K00	1M4700	2M9400
16 Hz	294K00	1M5000	3M0100	16 Hz	301K00	1M5400	3M0900

Formulas for 2nd order LOW pass filter are as follows:

PI = 3.14159 C = 1 / (2 * PI * Fc * R)
C1 = 1.414 * C C2 = .707 * C
R = Ra = Rb = 1 / (2 * PI * Fc * C)
Fc = (1 / SQR(C1 * C2 * Ra * Rb)) / (2 * PI) = (1 / SQR(C^2 * R^2)) / (2 * PI)

Formulas for 2nd order HIGH pass filter are as follows:

PI = 3.14159 C = Ca = Cb = 1 / (2 * PI * Fc * R)
R = 1 / (2 * PI * Fc * C) R1 = .707 * R
R2 = 1.414 * R
Fc = (1 / SQR(Ca * Cb * R1 * R2)) / (2 * PI) = (1 / SQR(C^2 * R^2)) / (2 * PI)