



AM BROADCAST PROCESSORS MODELS 222 AND 235 LOW-PASS FILTER VALUE DATA

Model 222 Component Ref.	Model 235 Component Ref.	10kHz Cutoff	9kHz Cutoff	7.2kHz Cutoff	6.4kHz Cutoff	5kHz Cutoff
C15	C37	.0047	.0047	.0068	.01	.01
N/A	C53	.01	.01	.015	.022	.022
R17	N/A	18k ¹	18k ¹	24kk	36k ¹	36k ¹
R43, R69	R60, R90	470k ¹	560k ¹	680k ¹	750k ¹	1M ¹
R44	R89	5.76k	6.49k	8.06k	9.31k	11.8k
R45	R88	953	1.07k	1.33k	1.54k	1.96k
R46, R49, R52, R55, R58, R61, R64, R67	R50, R52, R56, R58, R80, R82, R85, R87	4.87k	5.49k	6.81k	7.87k	10.0k
R47	N/A	5.1k ¹	5.6k ¹	7.5k ¹	8.2k ¹	11k ¹
R50	R84	6.81k	7.87k	9.53k	11.3k	14.3k
R51	R83	6.34k	7.15k	8.87k	10.2k	13.0k
R53	N/A	2.4k ¹	3k ¹	3.9k ¹	4.3k ¹	5.6k ¹
R56	R54	4.12k	4.75k	5.76k	6.65k	8.45k
R57	R49	9.09k	10.2k	12.7k	14.7k	18.7k
R59	N/A	1.8k ¹	2.2k ¹	3k ¹	3.3k ¹	4.3k ¹
R62	R53	5.11k	5.76k	7.15k	8.25k	10.5k
R63	R55	3.74k	4.32k	5.23k	6.04k	7.68k
R65	N/A	3.3k ¹	3.9k ¹	4.3k ¹	5.6k ¹	6.8k ¹
R68	R59	3.92k	4.42k	5.49k	6.34k	8.06k

¹ 5% values; all others 1%; all caps 5%.

FILTER TUNING

Adjust designated controls for a null at the frequency (in Hz) noted.

R60	R51	10,320	9,270	7,637	6,586	5,164
R54	R81	10,790	9,710	7,985	6,880	5,394
R66	R57	12,490	11,240	9,243	7,963	6,249
R48	R86	19,950	17,950	14,763	12,720	9,974

DO PLEASE NOTE that tuning the filters is an exercise to be considered optional in most all cases. These adjustments were primarily included so that two units used in AM-Stereo applications would be frequency- and phase-matched. For monaural 222s and 235s, the response of the low-pass filter should fit the requisite mask without adjustment.