

Metal Shield Band Pass Filter

RBP-220W+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURN LOSS (dB)		
	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C
1	109.18	103.68	101.19	0.05	0.06	0.08	0.00	0.00	0.00
50	40.81	40.74	40.60	0.18	0.22	0.24	0.00	0.02	0.03
80	31.42	31.40	31.33	0.27	0.31	0.35	0.02	0.05	0.08
90	28.84	28.84	28.81	0.30	0.35	0.38	0.03	0.07	0.09
100	26.45	26.48	26.50	0.35	0.40	0.44	0.05	0.08	0.11
110	24.22	24.27	24.30	0.40	0.46	0.51	0.09	0.13	0.16
120	22.16	22.22	22.27	0.49	0.56	0.61	0.13	0.18	0.21
130	20.50	20.58	20.63	0.59	0.69	0.76	0.20	0.25	0.29
140	19.91	20.05	20.13	0.79	0.92	1.03	0.29	0.36	0.40
157	24.29	22.49	21.16	1.81	2.23	2.60	0.69	0.85	0.97
163	9.94	9.52	9.14	3.92	4.78	5.51	1.79	2.10	2.35
170	3.89	4.01	4.07	8.98	9.86	10.42	5.02	5.25	5.46
190	1.21	1.37	1.49	14.24	14.79	15.27	12.82	12.91	13.03
210	0.85	1.02	1.14	21.66	20.72	19.79	19.63	18.59	17.72
220	0.87	1.06	1.19	18.92	17.65	16.63	18.47	17.34	16.41
230	0.98	1.18	1.32	16.02	15.29	14.66	16.13	15.50	14.95
250	1.24	1.47	1.63	17.33	18.32	19.16	15.17	15.50	15.70
265	2.25	2.71	3.08	11.98	11.14	10.38	9.54	9.03	8.63
275	5.58	6.27	6.82	4.04	3.90	3.74	3.59	3.55	3.50
290	14.15	14.82	15.41	1.12	1.19	1.22	1.06	1.19	1.28
310	26.75	27.34	27.90	0.52	0.59	0.63	0.49	0.62	0.69
330	43.43	44.18	45.00	0.39	0.46	0.50	0.33	0.45	0.51
400	53.55	53.94	54.11	0.30	0.37	0.41	0.15	0.26	0.32
500	41.62	41.61	41.49	0.31	0.40	0.46	0.08	0.21	0.27
600	37.68	37.79	37.84	0.42	0.56	0.64	0.10	0.23	0.30
700	37.08	37.33	37.46	0.46	0.64	0.74	0.08	0.24	0.31
800	38.44	38.82	39.17	0.59	0.79	0.89	0.10	0.26	0.34
900	41.34	41.83	42.27	0.64	0.83	0.91	0.11	0.28	0.36
1000	45.99	46.74	47.22	0.61	0.76	0.84	0.14	0.32	0.41
1100	53.64	54.40	54.99	0.54	0.66	0.73	0.15	0.35	0.45
1200	71.41	70.63	70.97	0.46	0.57	0.63	0.16	0.37	0.47
1300	57.67	58.85	59.16	0.40	0.49	0.56	0.20	0.40	0.50
1400	54.65	56.02	56.29	0.35	0.45	0.51	0.19	0.41	0.51
1500	55.60	57.55	58.36	0.31	0.41	0.48	0.21	0.43	0.55
1600	59.40	63.98	66.07	0.28	0.39	0.47	0.20	0.46	0.58
1700	74.85	66.90	60.88	0.27	0.38	0.48	0.20	0.47	0.60
1800	56.90	54.81	53.24	0.27	0.40	0.50	0.19	0.46	0.59
1900	50.32	48.57	47.77	0.27	0.42	0.52	0.18	0.47	0.61
2000	45.25	44.20	43.71	0.32	0.48	0.60	0.16	0.45	0.61
2100	41.25	40.81	40.47	0.36	0.54	0.69	0.17	0.46	0.64
2200	38.29	37.89	37.72	0.40	0.62	0.79	0.18	0.46	0.63
2300	35.23	35.07	34.77	0.47	0.72	0.90	0.17	0.46	0.65
2400	32.93	32.54	32.42	0.52	0.79	1.01	0.19	0.47	0.65
2500	30.90	30.42	30.28	0.55	0.89	1.13	0.19	0.48	0.66
2600	29.12	28.62	28.47	0.61	0.98	1.24	0.21	0.51	0.68
2700	27.54	27.00	26.76	0.66	1.07	1.38	0.23	0.52	0.67
2800	26.03	25.47	25.30	0.66	1.11	1.43	0.24	0.53	0.68
2900	24.79	24.40	24.30	0.69	1.18	1.49	0.26	0.55	0.70
3000	24.02	23.79	23.72	0.74	1.24	1.57	0.25	0.55	0.68
3100	23.43	23.21	23.00	0.79	1.28	1.60	0.27	0.58	0.68
3200	22.96	22.59	22.25	0.86	1.37	1.66	0.26	0.58	0.69
3300	22.07	21.79	21.51	0.94	1.43	1.71	0.19	0.57	0.71
3400	20.86	20.93	20.78	0.99	1.49	1.77	0.22	0.60	0.73
3500	20.02	20.35	20.42	1.00	1.53	1.82	0.19	0.60	0.77

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
190	8.74	8.66	8.58
195	8.07	8.03	7.97
200	7.65	7.58	7.56
205	7.30	7.27	7.26
210	7.11	7.08	7.02
215	6.95	6.94	6.92
220	6.89	6.88	6.87
221	6.90	6.86	6.85
222	6.87	6.85	6.81
223	6.87	6.84	6.84
224	6.86	6.84	6.85
225	6.87	6.85	6.82
226	6.84	6.85	6.82
227	6.89	6.87	6.88
228	6.89	6.86	6.86
229	6.90	6.88	6.85
230	6.89	6.88	6.88
231	6.92	6.89	6.89
232	6.90	6.91	6.89
233	6.92	6.93	6.93
234	6.98	6.95	6.96
235	6.98	6.97	6.99
236	7.03	7.05	7.06
237	7.06	7.07	7.12
238	7.12	7.15	7.17
239	7.16	7.21	7.24
240	7.23	7.29	7.31
241	7.29	7.34	7.38
242	7.38	7.44	7.48
243	7.48	7.52	7.59
244	7.54	7.62	7.67
245	7.66	7.74	7.82
246	7.80	7.88	7.97
247	7.90	7.99	8.08
248	8.04	8.17	8.23
249	8.19	8.31	8.43
250	8.38	8.50	8.62
255	9.36	9.52	9.64
260	10.67	10.80	10.90
265	11.91	11.85	11.82
270	12.34	11.99	11.73
275	11.34	10.85	10.48
280	9.46	8.98	8.64
285	7.55	7.17	6.91
290	6.09	5.81	5.53
295	4.92	4.73	4.57
300	4.21	4.05	3.85
305	3.41	3.21	3.07
310	2.83	2.64	2.45
315	2.08	1.87	1.70
320	1.25	0.99	0.56
321	1.10	0.64	0.46
322	0.85	0.38	0.15

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