

Metal Shield Band Pass Filter

RBP-98+

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
0.5	77.47	88.55	86.24	0.021	0.008	0.008	0.010	0.017	0.011
10	81.43	94.18	89.87	0.007	0.007	0.010	0.005	0.002	0.008
20	78.35	89.64	79.31	0.02	0.01	0.01	0.005	0.01	0.02
30	69.25	68.57	69.64	0.03	0.04	0.06	0.03	0.05	0.05
40	52.01	51.89	51.63	0.09	0.12	0.15	0.09	0.12	0.13
45	43.93	43.75	43.64	0.14	0.18	0.20	0.14	0.18	0.21
55	27.29	27.07	26.87	0.43	0.52	0.59	0.43	0.53	0.61
70	2.94	3.24	3.45	16.94	17.57	18.00	16.96	17.34	17.58
75	2.03	2.28	2.47	19.58	19.57	19.58	19.50	19.43	19.41
80	1.70	1.94	2.11	25.28	25.24	25.23	26.54	25.63	25.10
90	1.47	1.68	1.82	23.65	24.13	24.47	24.11	24.69	25.21
100	1.42	1.63	1.76	22.59	22.14	21.71	23.26	22.95	22.67
103	1.46	1.65	1.81	19.55	19.37	19.20	19.75	19.65	19.55
110	1.52	1.73	1.88	18.51	18.62	18.63	17.90	17.99	18.01
120	1.62	1.87	2.02	28.81	29.70	30.10	22.08	22.27	22.24
130	2.07	2.39	2.61	19.50	18.93	18.44	30.91	31.78	31.12
131	2.19	2.49	2.75	18.25	17.60	17.04	28.61	27.32	26.14
137	3.66	4.10	4.44	8.52	8.36	8.20	9.71	9.60	9.49
150	13.47	13.88	14.19	1.48	1.61	1.70	1.58	1.73	1.84
160	21.22	21.50	21.74	0.76	0.85	0.92	0.79	0.90	0.99
170	27.50	27.75	27.92	0.52	0.60	0.66	0.53	0.62	0.69
180	32.71	32.90	33.06	0.39	0.46	0.50	0.39	0.47	0.52
190	37.12	37.29	37.39	0.33	0.38	0.43	0.31	0.39	0.44
200	40.92	41.00	41.08	0.28	0.33	0.38	0.25	0.34	0.37
210	44.19	44.27	44.39	0.23	0.28	0.32	0.22	0.29	0.34
300	61.49	61.43	61.39	0.11	0.17	0.21	0.09	0.16	0.22
400	68.43	69.73	70.30	0.09	0.15	0.21	0.04	0.13	0.20
500	75.62	74.42	77.51	0.08	0.14	0.21	0.04	0.15	0.20
600	92.57	82.35	83.12	0.08	0.17	0.24	0.04	0.18	0.25
650	89.78	98.35	86.52	0.08	0.16	0.22	0.04	0.15	0.28
700	79.54	83.62	86.15	0.10	0.18	0.27	0.06	0.19	0.30
800	79.49	106.87	79.08	0.12	0.21	0.29	0.07	0.21	0.33
900	78.84	80.58	90.70	0.13	0.22	0.32	0.09	0.25	0.36
1000	79.64	84.60	78.05	0.15	0.25	0.35	0.11	0.29	0.40
1200	76.75	82.36	100.94	0.18	0.30	0.40	0.12	0.33	0.47
1500	76.96	74.30	77.97	0.19	0.33	0.44	0.15	0.38	0.54
1800	68.42	64.19	65.53	0.24	0.37	0.49	0.18	0.42	0.58
2000	67.67	64.83	67.94	0.25	0.39	0.50	0.18	0.42	0.60
2200	59.20	58.71	58.97	0.26	0.41	0.50	0.17	0.45	0.62
2500	58.96	56.88	56.23	0.27	0.41	0.54	0.20	0.46	0.64
2800	46.82	46.44	47.51	0.27	0.44	0.58	0.13	0.44	0.63
3000	47.06	46.32	47.23	0.28	0.46	0.62	0.12	0.43	0.64
3200	43.42	42.05	42.24	0.28	0.47	0.65	0.16	0.48	0.72
3500	40.88	38.13	39.79	0.37	0.65	0.86	0.32	0.91	1.20
3800	32.25	31.32	31.81	0.51	0.80	1.04	0.26	0.70	0.98
4000	28.88	28.25	28.40	0.75	1.16	1.72	0.25	0.70	1.07
4200	25.06	24.72	26.10	2.09	3.53	4.23	0.45	0.93	1.34
4500	31.90	35.89	41.25	2.19	1.83	1.90	0.58	1.12	1.55
4800	33.26	30.80	29.68	0.94	1.27	1.60	1.04	1.94	2.61
5000	23.76	22.73	22.95	1.11	1.59	2.04	2.60	5.10	7.01
5200	17.56	18.99	20.70	1.92	3.17	3.89	23.30	12.28	9.73
5500	26.30	33.64	36.57	5.32	3.78	3.87	2.65	2.99	3.49
5800	40.98	39.27	39.80	2.47	2.81	3.00	1.91	2.49	2.93
6000	37.85	38.58	42.56	1.19	1.49	1.79	0.93	1.50	2.00

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
75	28.86	28.47	28.16
80	23.15	23.02	22.90
85	20.16	20.06	19.98
90	18.31	18.27	18.23
95	17.16	17.10	17.09
100	16.33	16.26	16.25
103	15.93	15.90	15.89
110	15.54	15.53	15.58
115	15.77	15.81	15.83
120	16.35	16.36	16.40
125	17.33	17.43	17.51
130	19.40	19.41	19.47
131	19.90	19.89	19.91
132	20.44	20.40	20.34
133	20.95	20.83	20.77
134	21.34	21.16	21.07
135	21.67	21.45	21.28
136	21.80	21.56	21.35
137	21.83	21.50	21.24
138	21.70	21.27	20.97
139	21.25	20.83	20.49
140	20.70	20.23	19.94
145	16.03	15.68	15.39
150	11.26	11.10	10.96
155	8.11	8.02	8.00
158	6.79	6.78	6.71
159	6.52	6.47	6.44
160	6.15	6.14	6.08
161	5.85	5.83	5.82
162	5.56	5.60	5.56
163	5.27	5.30	5.27
164	5.15	5.15	5.15
165	4.89	4.82	4.82
170	3.99	3.97	4.00
175	3.30	3.36	3.33
180	2.91	2.90	2.95
185	2.54	2.54	2.61
190	2.36	2.31	2.32
195	1.90	1.89	2.12
196	2.09	2.06	1.97
197	1.94	1.91	1.98
198	1.99	1.86	1.88
199	2.14	2.01	2.03
200	1.53	2.08	1.73
201	1.77	1.66	1.91
202	1.68	1.71	1.73
203	1.58	1.96	1.70
204	1.86	1.97	1.65
205	1.58	1.79	1.65
210	1.22	1.57	1.27
220	1.50	1.30	1.23
230	1.30	1.83	1.69
240	0.60	0.60	1.02
250	1.30	1.02	0.70

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