

Metal Shield Band Pass Filter

RBP-140+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURNLOSS (dB)		
	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C
1	81.41	81.32	81.36	0.00	0.00	0.00	0.01	0.01	0.01
10	60.95	61.00	61.04	0.00	0.00	0.01	0.00	0.00	0.01
20	54.88	54.95	54.81	0.01	0.01	0.01	0.01	0.01	0.01
30	51.21	51.10	51.12	0.02	0.02	0.02	0.02	0.02	0.03
40	48.50	48.44	48.39	0.02	0.02	0.03	0.02	0.03	0.04
50	46.27	46.22	46.18	0.00	0.00	0.01	0.00	0.01	0.03
60	44.62	44.60	44.54	0.02	0.03	0.04	0.01	0.04	0.06
70	43.68	43.68	43.65	0.08	0.09	0.10	0.07	0.10	0.13
80	45.07	45.10	45.14	0.12	0.14	0.16	0.11	0.15	0.19
90	51.57	50.17	49.11	0.13	0.17	0.21	0.15	0.21	0.27
100	29.03	28.70	28.43	0.35	0.42	0.49	0.40	0.50	0.59
109	15.13	14.95	14.82	1.20	1.41	1.60	1.40	1.65	1.88
114	7.99	8.04	8.09	3.41	3.85	4.22	3.97	4.53	5.00
120	3.19	3.51	3.77	12.18	12.45	12.62	17.08	18.32	19.21
130	1.95	2.24	2.48	27.22	26.90	26.38	29.45	28.41	27.73
140	1.91	2.20	2.44	19.80	20.60	21.33	17.44	17.67	17.87
150	2.18	2.55	2.86	25.72	24.71	24.05	40.38	35.32	32.77
160	4.32	5.06	5.69	14.53	13.99	13.58	9.27	8.71	8.29
161	4.97	5.78	6.45	11.52	11.20	10.97	7.66	7.25	6.94
166	10.48	11.40	12.15	4.01	4.17	4.30	2.78	2.84	2.88
170	16.33	17.17	17.85	2.15	2.34	2.49	1.49	1.62	1.71
173	20.86	21.64	22.27	1.55	1.72	1.85	1.09	1.22	1.31
180	31.72	32.45	33.04	0.93	1.05	1.15	0.69	0.79	0.87
182	35.14	35.87	36.47	0.83	0.94	1.03	0.62	0.72	0.79
190	53.74	53.13	52.52	0.54	0.63	0.70	0.42	0.50	0.56
200	45.78	45.66	45.58	0.36	0.42	0.48	0.28	0.36	0.41
300	57.19	57.42	57.58	0.11	0.16	0.19	0.07	0.14	0.18
400	72.01	71.66	71.93	0.07	0.12	0.16	0.03	0.11	0.16
500	97.18	93.91	87.43	0.09	0.16	0.20	0.04	0.14	0.19
600	83.16	83.98	82.60	0.07	0.15	0.21	0.03	0.14	0.20
700	80.04	81.55	80.15	0.06	0.15	0.20	0.01	0.14	0.21
800	80.81	80.67	85.42	0.11	0.21	0.28	0.05	0.19	0.26
900	81.76	85.70	84.39	0.09	0.20	0.27	0.04	0.19	0.27
1000	85.96	88.07	89.93	0.08	0.21	0.28	0.02	0.19	0.28
1100	90.55	89.44	88.25	0.12	0.25	0.33	0.04	0.22	0.32
1200	82.25	82.14	80.82	0.12	0.25	0.34	0.04	0.23	0.33
1300	85.01	88.95	93.84	0.12	0.26	0.35	0.04	0.24	0.35
1400	79.45	81.94	81.00	0.15	0.30	0.39	0.05	0.26	0.37
1500	92.24	86.22	85.17	0.18	0.32	0.41	0.05	0.27	0.38
1600	89.55	92.32	96.56	0.16	0.31	0.41	0.07	0.29	0.42
1700	76.63	73.71	75.52	0.19	0.35	0.45	0.08	0.31	0.44
1800	76.14	77.89	73.09	0.18	0.34	0.44	0.07	0.31	0.44
1900	66.03	66.43	66.00	0.19	0.36	0.46	0.09	0.33	0.46
2000	71.03	69.63	70.88	0.20	0.36	0.47	0.10	0.36	0.50
2100	68.51	68.99	72.61	0.19	0.37	0.47	0.10	0.35	0.49
2200	64.20	64.32	61.03	0.21	0.38	0.49	0.10	0.36	0.51
2300	58.49	57.13	59.74	0.21	0.39	0.50	0.12	0.39	0.55
2400	59.23	59.38	57.02	0.22	0.40	0.52	0.11	0.42	0.60
2500	61.77	58.73	67.77	0.24	0.43	0.56	0.56	0.77	0.74
2600	62.99	63.86	62.17	0.30	0.62	0.85	0.16	0.43	0.60
2700	60.00	58.65	61.09	0.59	0.60	0.68	0.10	0.40	0.58
2800	55.66	55.77	54.40	0.28	0.46	0.59	0.15	0.44	0.62
2900	55.33	55.06	55.51	0.22	0.43	0.56	0.13	0.43	0.59
3000	53.68	52.99	53.25	0.24	0.44	0.57	0.10	0.43	0.63

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
130.00	19.51	19.39	19.29
131.00	19.12	19.08	18.95
132.00	18.86	18.76	18.68
133.84	18.53	18.49	18.44
134.04	18.60	18.47	18.47
134.24	18.52	18.48	18.44
134.44	18.46	18.40	18.37
134.64	18.41	18.38	18.34
134.84	18.36	18.33	18.28
135.04	18.36	18.31	18.29
135.24	18.33	18.27	18.23
135.44	18.23	18.24	18.19
135.64	18.24	18.18	18.14
135.84	18.23	18.18	18.15
136.04	18.16	18.14	18.10
136.24	18.13	18.15	18.13
136.44	18.11	18.09	18.08
136.64	18.11	18.09	18.11
136.84	18.05	18.05	18.07
137.04	18.02	18.06	18.04
137.24	18.02	18.01	18.01
137.44	17.98	17.98	17.99
137.64	17.96	17.95	17.92
137.84	18.08	18.12	18.10
138.04	18.08	18.10	18.05
138.24	18.07	18.09	18.09
138.50	18.07	18.07	18.09
139.00	18.02	18.07	18.08
139.50	18.06	18.08	18.10
140.00	18.08	18.10	18.15
140.50	17.91	17.95	17.99
141.00	17.73	17.77	17.85
141.50	17.79	17.88	17.91
142.00	17.75	17.86	17.89
142.24	17.84	17.93	18.00
142.44	17.85	17.96	18.00
142.64	17.91	17.97	18.05
142.84	17.91	17.99	18.07
143.04	18.17	18.27	18.28
143.24	18.19	18.25	18.29
143.44	18.25	18.29	18.39
143.64	18.27	18.33	18.38
143.84	18.33	18.41	18.49
144.04	18.33	18.49	18.54
144.24	18.41	18.53	18.55
144.44	18.51	18.57	18.68
144.64	18.48	18.55	18.70
144.84	18.58	18.69	18.74
145.04	18.60	18.72	18.79
145.24	18.69	18.75	18.84
145.44	18.72	18.84	18.89
148.00	19.88	19.99	20.07
149.00	20.15	20.27	20.41
150.00	20.59	20.72	20.86

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