

Metal Shield Band Pass Filter

RBP-135+

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	96.18	87.60	89.73	0.00	0.00	0.00	0.00	0.00	0.00
1	91.57	89.77	92.08	0.00	0.00	0.00	0.00	0.00	0.00
10	95.01	89.70	98.16	0.00	0.01	0.00	0.00	0.00	0.00
20	97.76	104.09	115.23	0.01	0.01	0.01	0.01	0.01	0.01
30	92.20	97.02	100.42	0.01	0.02	0.02	0.00	0.01	0.02
40	88.41	84.51	83.55	0.02	0.03	0.04	0.01	0.03	0.04
50	74.14	73.23	74.39	0.04	0.05	0.06	0.03	0.05	0.07
60	62.38	62.34	62.15	0.07	0.09	0.11	0.06	0.10	0.13
70	50.83	50.56	50.37	0.14	0.16	0.19	0.12	0.17	0.21
75	44.91	44.70	44.48	0.19	0.23	0.26	0.18	0.23	0.28
80	38.84	38.60	38.39	0.27	0.32	0.36	0.26	0.33	0.38
85	32.38	32.15	31.93	0.39	0.47	0.53	0.39	0.48	0.55
90	25.44	25.21	25.00	0.63	0.74	0.85	0.64	0.77	0.86
95	17.85	17.65	17.47	1.17	1.39	1.57	1.22	1.44	1.60
100	9.91	9.86	9.80	3.00	3.49	3.90	3.10	3.60	3.98
104	4.95	5.17	5.30	8.12	9.04	9.80	8.33	9.40	10.21
110	2.52	2.86	3.09	27.45	25.08	23.61	28.31	26.40	24.38
120	1.91	2.20	2.41	26.87	27.03	27.89	26.99	25.66	24.33
135	1.75	2.03	2.23	23.63	23.96	24.88	27.83	28.72	30.15
150	1.97	2.31	2.55	22.41	21.54	21.03	22.18	22.19	22.16
170	8.05	8.90	9.56	3.47	3.46	3.44	3.76	3.78	3.75
177	14.52	15.21	15.77	1.55	1.68	1.77	1.61	1.77	1.84
180	17.20	17.82	18.31	1.22	1.36	1.45	1.25	1.41	1.49
190	25.03	25.43	25.77	0.72	0.83	0.91	0.70	0.84	0.92
210	36.49	36.68	36.80	0.39	0.48	0.54	0.37	0.48	0.55
245	48.90	49.03	49.03	0.22	0.29	0.34	0.20	0.30	0.35
300	59.53	59.48	59.30	0.14	0.20	0.25	0.11	0.21	0.25
400	68.39	68.75	68.65	0.09	0.17	0.22	0.06	0.18	0.23
500	74.99	75.53	76.00	0.08	0.18	0.23	0.05	0.19	0.25
600	86.51	83.88	83.63	0.09	0.20	0.25	0.05	0.21	0.27
700	94.38	103.32	97.36	0.10	0.22	0.28	0.05	0.23	0.30
800	84.53	84.14	85.86	0.10	0.24	0.31	0.05	0.26	0.33
900	78.48	79.89	81.54	0.12	0.26	0.33	0.06	0.28	0.35
1000	77.69	77.57	79.01	0.12	0.28	0.36	0.07	0.31	0.38
1200	76.18	78.18	80.18	0.16	0.33	0.41	0.09	0.35	0.43
1400	70.19	72.41	71.10	0.18	0.36	0.45	0.10	0.39	0.47
1500	70.87	76.58	69.96	0.19	0.38	0.47	0.10	0.40	0.49
1800	69.34	69.45	67.91	0.21	0.41	0.51	0.12	0.44	0.55
2000	64.96	67.40	66.42	0.21	0.43	0.53	0.12	0.46	0.58
2200	62.85	60.06	61.76	0.22	0.45	0.56	0.11	0.47	0.62
2400	56.28	56.55	56.24	0.22	0.46	0.57	0.16	0.51	0.65
2500	54.88	52.99	56.53	0.23	0.48	0.58	0.12	0.50	0.65
2800	50.19	47.14	49.30	0.25	0.51	0.64	0.13	0.53	0.67
3000	47.31	46.25	45.52	0.24	0.52	0.64	0.14	0.55	0.70
3200	40.84	43.45	42.02	0.29	0.56	0.71	0.14	0.59	0.75
3400	41.05	41.15	39.54	0.30	0.62	0.79	0.13	0.61	0.79
3500	39.92	38.82	41.66	0.35	0.71	0.92	0.13	0.64	0.86
3800	34.51	35.15	34.52	0.79	0.95	1.15	0.44	0.80	1.10
4000	30.17	29.88	29.09	0.53	1.06	1.42	0.22	0.76	1.17
4200	27.05	27.40	28.44	1.44	2.36	2.76	0.35	0.90	1.32
4400	26.80	28.18	30.18	2.52	3.22	3.16	0.44	0.96	1.37
4500	24.34	29.86	33.24	4.10	2.77	2.32	0.40	0.95	1.33
4800	44.38	39.51	39.22	0.77	1.17	1.44	0.47	1.10	1.47
5000	36.04	33.27	32.16	0.76	1.28	1.64	0.70	1.59	2.09

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
120	21.14	21.00	20.91
125	19.48	19.39	19.37
130	18.51	18.50	18.48
135	17.96	17.96	17.98
140	17.79	17.83	17.86
145	18.05	18.09	18.16
150	18.69	18.81	18.89
155	20.25	20.45	20.61
160	23.12	23.20	23.21
165	24.69	23.94	23.35
170	19.99	18.98	18.21
175	14.71	14.10	13.60
180	10.34	10.09	9.83
185	7.64	7.56	7.43
190	5.92	5.92	5.87
195	4.76	4.81	4.83
200	3.98	4.03	4.07
205	3.33	3.48	3.52
210	2.91	3.00	3.10
215	2.55	2.64	2.72
220	2.28	2.44	2.51
225	2.01	2.14	2.18
230	1.96	1.96	2.05
235	1.82	1.77	1.80
240	1.69	1.52	1.73
250	1.73	1.31	1.55
260	1.49	1.24	1.15
270	1.19	1.20	1.08
280	1.20	0.96	1.01
290	0.80	0.78	0.85
300	0.93	1.04	0.78
310	1.10	0.80	1.05
320	0.76	0.81	0.89
330	0.67	0.69	0.61
340	0.59	0.69	0.68
350	0.83	0.38	0.78
360	0.51	0.72	0.47
370	0.73	0.61	0.48
380	0.55	0.49	0.25
390	0.62	0.81	0.60
400	0.79	0.72	0.49
410	0.47	0.50	0.59
420	0.37	0.60	0.60
430	0.54	0.27	0.48
440	0.31	0.27	0.55
450	0.13	0.32	0.25
460	0.48	0.45	0.34
470	0.36	0.29	0.29
480	0.62	0.28	0.32
490	0.54	0.41	0.84
500	0.27	0.26	0.44
510	1.07	0.11	0.57
520	0.83	0.61	0.47
530	0.41	0.43	0.15

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