

Metal Shield Band Pass Filter

RBP-130+

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	101.07	91.57	90.61	0.01	0.01	0.01	0.01	0.01	0.01
10	97.69	93.02	97.75	0.01	0.01	0.01	0.01	0.01	0.01
20	89.32	88.30	87.49	0.01	0.01	0.02	0.01	0.01	0.02
30	69.31	69.18	69.61	0.03	0.04	0.04	0.02	0.03	0.05
40	54.37	54.19	53.92	0.07	0.08	0.09	0.05	0.08	0.10
48	43.80	43.50	43.29	0.12	0.14	0.16	0.10	0.14	0.17
50	41.24	40.96	40.75	0.14	0.16	0.19	0.12	0.16	0.20
58	31.10	30.86	30.66	0.26	0.31	0.35	0.24	0.30	0.36
60	28.55	28.32	28.14	0.31	0.37	0.41	0.29	0.37	0.42
70	15.44	15.29	15.19	0.97	1.13	1.25	0.96	1.11	1.22
75	8.95	8.90	8.89	2.29	2.62	2.86	2.30	2.60	2.79
80	4.02	4.15	4.24	6.48	7.11	7.58	6.51	7.11	7.47
85	1.96	2.18	2.32	16.18	17.25	18.17	16.24	17.39	18.20
95	1.22	1.40	1.54	35.72	37.46	36.56	36.91	31.74	28.27
110	0.97	1.13	1.24	32.83	33.59	33.63	31.99	31.66	30.58
130	0.97	1.12	1.23	17.62	17.64	17.68	17.96	17.91	17.90
150	1.02	1.16	1.26	15.74	16.49	17.26	15.61	16.30	16.99
160	0.98	1.14	1.24	21.27	22.78	24.57	20.26	21.40	22.67
170	1.02	1.20	1.33	29.44	28.48	27.73	25.25	25.62	25.95
180	1.16	1.37	1.52	22.37	22.62	22.63	23.98	26.50	29.23
190	1.52	1.84	2.10	16.85	15.14	13.92	19.99	17.62	15.98
200	3.41	3.94	4.34	6.20	5.85	5.55	6.52	6.23	5.97
210	7.90	8.41	8.79	2.21	2.26	2.27	2.28	2.38	2.43
230	17.94	18.26	18.49	0.65	0.75	0.81	0.65	0.78	0.86
260	29.36	29.54	29.68	0.32	0.40	0.45	0.31	0.41	0.47
300	40.15	40.24	40.26	0.21	0.28	0.33	0.18	0.28	0.35
400	56.14	56.35	56.21	0.13	0.19	0.25	0.09	0.20	0.26
500	64.71	65.03	65.09	0.10	0.18	0.24	0.06	0.19	0.26
600	70.92	70.81	71.02	0.09	0.18	0.24	0.05	0.20	0.28
700	75.30	75.65	75.90	0.09	0.20	0.27	0.04	0.21	0.30
800	84.84	85.52	87.36	0.10	0.22	0.29	0.04	0.23	0.33
900	88.26	89.84	93.57	0.12	0.25	0.33	0.04	0.25	0.35
1000	82.01	84.80	84.67	0.13	0.26	0.35	0.04	0.26	0.37
1200	77.77	78.05	78.21	0.14	0.30	0.39	0.07	0.30	0.43
1400	76.80	78.13	78.29	0.17	0.33	0.43	0.07	0.33	0.47
1500	74.74	74.58	77.88	0.18	0.35	0.46	0.08	0.34	0.48
1600	76.09	71.69	82.90	0.20	0.37	0.49	0.08	0.35	0.50
1800	77.61	79.82	74.76	0.22	0.40	0.52	0.08	0.36	0.54
2000	71.52	69.92	68.78	0.23	0.41	0.55	0.08	0.37	0.58
2200	60.59	63.06	59.36	0.24	0.43	0.57	0.08	0.39	0.63
2400	57.18	54.26	58.96	0.23	0.44	0.57	0.09	0.42	0.65
2500	48.67	49.10	53.36	0.25	0.47	0.60	0.11	0.45	0.67
2600	54.96	51.75	52.27	0.24	0.47	0.61	0.09	0.46	0.66
2800	51.27	49.13	50.56	0.25	0.49	0.62	0.10	0.47	0.66
3000	46.37	46.63	46.68	0.28	0.52	0.66	0.09	0.48	0.65
3200	40.58	40.03	42.37	0.29	0.57	0.71	0.09	0.56	0.73
3400	39.96	39.14	38.92	0.30	0.61	0.81	0.07	0.57	0.75
3500	38.29	37.29	35.85	0.35	0.70	0.96	0.06	0.57	0.78
3600	36.17	35.41	32.54	0.50	1.12	1.86	0.10	0.62	0.88
3800	28.20	37.82	43.50	3.77	1.58	1.34	0.14	0.65	1.01
4000	45.88	40.72	37.41	0.54	0.89	1.20	0.19	0.78	1.28
4200	37.23	34.15	31.10	2.43	2.15	1.96	0.25	0.88	1.45
4400	27.65	26.93	25.57	0.58	0.94	1.23	0.39	1.12	1.81
4500	23.51	22.91	21.95	0.55	0.97	1.28	0.73	1.72	2.87

REV. X2
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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
95	16.08	15.94	15.83
100	14.20	14.11	14.02
110	11.73	11.69	11.64
120	10.44	10.40	10.39
130	9.54	9.51	9.48
140	8.97	8.97	8.97
150	8.86	8.90	8.91
160	9.11	9.15	9.15
170	9.47	9.49	9.50
180	10.27	10.37	10.45
190	12.36	12.39	12.39
200	13.48	13.06	12.70
210	9.89	9.56	9.31
230	4.36	4.33	4.31
260	2.14	2.17	2.14
270	1.81	1.84	1.85
280	1.55	1.59	1.60
290	1.37	1.42	1.42
300	1.22	1.28	1.29
400	0.73	0.66	0.70
500	0.52	0.53	0.56
600	0.38	0.43	0.34
700	0.04	0.24	0.61
1300	0.36	0.23	0.26
1400	0.70	0.59	0.60
1500	0.75	1.05	0.54
1600	0.89	1.12	1.00
1700	1.10	1.13	1.38
1800	1.12	1.02	1.21
1900	0.37	0.31	0.38
2000	0.38	0.33	0.15
2100	0.44	0.28	0.42
2300	0.45	0.15	0.56
2400	0.56	0.42	0.31
2500	0.45	0.29	0.29
2600	0.41	0.49	0.51
2700	0.73	0.75	0.78
2800	0.51	0.54	0.58
2900	0.41	0.39	0.32
3000	0.31	0.24	0.21
3100	0.64	0.54	0.38
3200	0.51	0.34	0.32
3300	0.69	0.52	0.53
3400	0.61	0.64	0.73
3500	0.75	0.72	0.55
3600	0.83	0.29	0.18
3700	0.26	0.30	0.27
3800	0.20	0.24	0.25
3900	0.21	0.20	0.21
4000	0.26	0.23	0.19
4100	0.26	0.18	0.10
4300	0.48	0.53	0.67
4400	0.71	0.77	0.84
4500	0.62	0.67	0.86

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