

Metal Shield Band Pass Filter

RBP-400+

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	84.48	91.38	106.47	0.00	0.00	0.00	0.01	0.01	0.01
50	95.87	92.73	90.96	0.01	0.02	0.02	0.01	0.01	0.02
100	91.93	89.42	86.92	0.02	0.03	0.04	0.01	0.02	0.05
120	76.14	76.43	77.38	0.02	0.03	0.05	0.00	0.03	0.06
140	66.44	67.02	66.74	0.03	0.05	0.07	0.01	0.05	0.08
150	62.02	62.25	62.11	0.04	0.06	0.09	0.02	0.06	0.09
160	57.72	57.73	57.64	0.04	0.07	0.10	0.03	0.07	0.10
190	45.10	44.96	44.84	0.09	0.13	0.16	0.08	0.13	0.17
200	40.87	40.71	40.60	0.12	0.16	0.20	0.10	0.16	0.21
210	36.56	36.39	36.24	0.16	0.20	0.25	0.14	0.20	0.26
220	32.12	31.95	31.78	0.21	0.26	0.31	0.19	0.27	0.33
230	27.47	27.28	27.09	0.29	0.35	0.42	0.28	0.37	0.45
240	22.52	22.31	22.11	0.43	0.51	0.60	0.43	0.54	0.64
250	17.21	16.99	16.77	0.71	0.85	0.96	0.74	0.91	1.06
260	11.55	11.34	11.15	1.44	1.69	1.91	1.55	1.86	2.13
270	6.11	6.07	6.00	3.81	4.35	4.83	4.26	4.98	5.63
280	2.76	2.96	3.10	10.69	11.38	11.89	13.80	15.93	18.00
292	1.73	2.00	2.20	16.32	15.69	15.27	18.76	17.51	16.64
300	1.55	1.80	1.99	16.18	16.05	16.02	15.29	14.95	14.71
391	1.03	1.24	1.41	19.13	18.80	18.50	22.07	22.30	22.29
400	1.05	1.27	1.44	18.74	18.19	17.73	20.99	20.63	20.18
490	1.70	2.06	2.36	14.73	13.87	13.29	17.67	17.26	16.91
500	2.13	2.59	2.96	11.41	10.62	10.08	14.31	13.60	13.02
518	4.47	5.12	5.66	5.01	4.81	4.67	5.84	5.73	5.63
530	7.43	8.12	8.69	2.66	2.69	2.71	3.02	3.12	3.18
540	10.36	11.02	11.57	1.67	1.76	1.84	1.86	2.02	2.13
560	16.22	16.78	17.25	0.85	0.98	1.08	0.90	1.07	1.20
620	29.99	30.34	30.66	0.34	0.45	0.55	0.31	0.47	0.58
700	41.92	42.15	42.33	0.22	0.32	0.42	0.16	0.31	0.42
800	51.41	51.51	51.64	0.18	0.29	0.38	0.11	0.27	0.38
900	58.07	57.93	58.01	0.17	0.28	0.38	0.09	0.26	0.38
1000	64.41	63.91	64.06	0.17	0.29	0.39	0.10	0.27	0.40
1200	82.48	85.87	84.20	0.18	0.31	0.43	0.11	0.31	0.45
1300	76.50	76.64	78.06	0.19	0.32	0.44	0.12	0.33	0.48
1400	70.20	72.00	70.86	0.19	0.33	0.45	0.14	0.36	0.51
1500	67.46	68.77	67.68	0.20	0.35	0.47	0.15	0.37	0.54
1600	64.80	65.06	64.82	0.22	0.36	0.49	0.15	0.39	0.56
1700	64.68	65.43	65.05	0.23	0.37	0.50	0.17	0.40	0.58
1800	60.26	62.01	62.08	0.23	0.38	0.51	0.19	0.42	0.61
1900	60.40	63.29	61.02	0.25	0.40	0.52	0.19	0.44	0.62
2000	61.17	62.56	61.51	0.25	0.40	0.52	0.20	0.45	0.63
2200	58.94	59.49	59.01	0.26	0.41	0.54	0.20	0.47	0.66
2300	62.60	60.89	60.44	0.26	0.41	0.53	0.20	0.47	0.66
2400	59.17	61.99	62.14	0.26	0.42	0.54	0.21	0.48	0.68
2500	64.87	61.83	62.45	0.26	0.41	0.54	0.19	0.48	0.68
2600	59.46	61.52	63.10	0.25	0.41	0.53	0.19	0.48	0.68
2700	63.23	58.28	61.06	0.25	0.42	0.54	0.20	0.49	0.69
2800	50.57	50.35	47.16	0.26	0.43	0.55	0.20	0.51	0.74
2900	48.24	50.66	51.66	0.26	0.42	0.55	0.19	0.49	0.72
3000	49.28	47.97	50.77	0.26	0.43	0.56	0.18	0.50	0.72
3500	41.39	41.96	41.96	0.28	0.48	0.63	0.14	0.52	0.80
4000	33.58	33.94	33.83	0.37	0.61	0.84	0.18	0.61	0.93
4500	20.13	19.57	23.34	1.59	3.87	2.82	0.43	1.05	1.27
5000	46.51	40.05	40.68	0.65	0.95	1.23	0.33	0.81	1.21

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
292	8.91	8.88	8.85
293	8.92	8.88	8.86
294	8.93	8.89	8.86
295	8.92	8.88	8.85
296	8.92	8.87	8.84
297	8.92	8.87	8.83
298	8.91	8.85	8.81
299	8.89	8.83	8.79
300	8.87	8.81	8.77
310	8.39	8.29	8.21
320	7.46	7.37	7.30
330	6.65	6.59	6.56
340	6.14	6.11	6.10
350	5.81	5.79	5.78
360	5.55	5.54	5.54
370	5.36	5.36	5.36
380	5.23	5.23	5.23
400	5.10	5.10	5.11
410	5.08	5.09	5.09
420	5.09	5.10	5.11
430	5.13	5.14	5.16
440	5.22	5.24	5.26
450	5.36	5.39	5.42
460	5.60	5.63	5.67
470	5.92	5.95	5.98
480	6.27	6.28	6.29
500	6.61	6.56	6.52
510	6.50	6.43	6.37
520	6.23	6.14	6.07
530	5.82	5.71	5.62
540	5.26	5.14	5.05
550	4.56	4.45	4.36
560	3.81	3.72	3.65
570	3.14	3.07	3.03
580	2.60	2.56	2.53
600	1.89	1.88	1.88
610	1.66	1.66	1.66
620	1.49	1.49	1.48
630	1.34	1.34	1.35
640	1.23	1.23	1.24
650	1.14	1.14	1.15
660	1.06	1.07	1.06
670	0.99	1.00	1.00
680	0.93	0.95	0.95
700	0.85	0.84	0.86
710	0.78	0.80	0.80
720	0.76	0.79	0.79
750	0.69	0.70	0.68
800	0.62	0.57	0.56
850	0.46	0.52	0.52
900	0.51	0.46	0.47
950	0.44	0.46	0.40
1000	0.48	0.29	0.35
1050	0.31	0.40	0.26

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