

Metal Shield Band Pass Filter

RBP-440+

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
1	89.18	97.70	95.24	0.00	0.01	0.00	0.01	0.03	0.03
10	88.91	89.41	91.28	0.00	0.00	0.00	0.02	0.03	0.06
50	62.62	62.83	62.79	0.01	0.02	0.02	0.07	0.11	0.13
100	50.33	50.34	50.24	0.01	0.03	0.06	0.11	0.15	0.18
150	42.58	42.56	42.57	0.01	0.05	0.09	0.13	0.18	0.22
200	36.55	36.55	36.54	0.04	0.10	0.15	0.17	0.23	0.28
250	31.59	31.62	31.62	0.11	0.18	0.24	0.22	0.31	0.36
300	29.01	29.08	29.17	0.30	0.40	0.47	0.36	0.48	0.56
320	31.68	31.85	32.10	0.43	0.56	0.65	0.49	0.63	0.72
350	20.86	20.39	19.87	1.06	1.29	1.47	1.04	1.31	1.51
355	17.00	16.64	16.21	1.32	1.59	1.81	1.29	1.61	1.87
370	7.86	7.80	7.64	3.33	3.85	4.30	3.45	4.08	4.64
380	4.01	4.17	4.23	7.02	7.70	8.35	7.79	8.80	9.76
400	1.62	1.90	2.09	16.91	16.93	17.07	25.01	24.66	23.98
410	1.42	1.68	1.86	16.44	16.80	17.09	17.87	18.15	18.30
420	1.31	1.56	1.72	16.26	16.92	17.48	16.33	16.90	17.29
430	1.23	1.47	1.64	16.96	17.92	18.69	16.61	17.40	17.95
440	1.18	1.42	1.59	18.74	20.11	21.21	18.18	19.22	19.95
470	1.31	1.64	1.89	21.87	20.30	19.21	20.67	19.70	18.91
490	2.59	3.12	3.56	8.48	8.18	7.92	9.67	9.61	9.52
500	4.48	5.21	5.81	4.79	4.72	4.63	6.05	6.16	6.19
510	7.78	8.73	9.49	2.54	2.63	2.66	3.64	3.87	3.98
530	19.13	20.44	21.63	0.91	1.11	1.24	1.55	1.82	1.97
600	25.21	25.41	25.56	0.31	0.47	0.59	0.42	0.56	0.65
650	27.30	27.54	27.73	0.20	0.36	0.47	0.26	0.38	0.45
700	29.81	30.04	30.24	0.14	0.31	0.42	0.19	0.30	0.36
800	33.96	34.21	34.42	0.10	0.27	0.38	0.13	0.24	0.31
850	35.90	36.20	36.35	0.09	0.26	0.37	0.12	0.24	0.30
900	37.40	37.56	37.75	0.10	0.24	0.36	0.11	0.23	0.30
1000	38.67	38.79	39.04	0.09	0.26	0.36	0.09	0.22	0.29
1200	38.87	38.96	39.10	0.10	0.26	0.37	0.07	0.22	0.30
1300	37.98	38.05	38.21	0.10	0.26	0.37	0.08	0.24	0.34
1400	37.15	37.34	37.42	0.09	0.26	0.36	0.07	0.24	0.35
1500	35.95	36.01	36.18	0.10	0.26	0.37	0.05	0.24	0.36
1600	34.99	35.22	35.37	0.09	0.26	0.37	0.06	0.26	0.39
1700	33.52	33.85	33.92	0.08	0.26	0.37	0.05	0.28	0.40
1800	32.47	32.89	33.07	0.06	0.25	0.36	0.06	0.28	0.43
2000	30.10	30.34	30.50	0.08	0.28	0.39	0.07	0.34	0.51
2200	28.99	29.05	29.04	0.05	0.26	0.40	0.07	0.37	0.55
2300	28.15	28.20	28.06	0.07	0.29	0.44	0.04	0.37	0.58
2400	27.72	27.76	27.84	0.10	0.33	0.49	0.06	0.40	0.60
2500	26.71	27.05	27.10	0.03	0.29	0.44	0.06	0.39	0.63
2600	27.49	27.48	27.53	0.06	0.35	0.53	0.06	0.42	0.65
2700	25.23	25.53	25.44	0.10	0.37	0.55	0.06	0.42	0.67
2800	26.32	26.41	26.46	0.06	0.38	0.59	0.06	0.42	0.70
3000	25.58	25.97	26.02	0.07	0.41	0.64	0.09	0.48	0.77
3200	24.25	24.49	24.62	0.09	0.46	0.73	0.11	0.51	0.79
3300	23.59	23.90	23.98	0.12	0.48	0.75	0.13	0.53	0.84
3400	23.49	23.85	23.92	0.12	0.51	0.80	0.14	0.54	0.87
3500	22.76	23.31	23.43	0.12	0.52	0.84	0.16	0.56	0.90
3600	23.29	23.55	23.61	0.16	0.56	0.87	0.17	0.56	0.89
3700	22.13	22.56	22.67	0.15	0.54	0.88	0.20	0.61	0.96
3800	22.47	22.55	22.66	0.17	0.59	0.91	0.21	0.61	0.97
4000	21.93	22.21	22.30	0.18	0.62	0.95	0.26	0.67	1.03

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
410	6.42	6.33	6.26
412	6.26	6.18	6.13
414	6.13	6.06	6.01
416	6.00	5.94	5.93
418	5.93	5.88	5.86
420	5.81	5.80	5.77
422	5.75	5.72	5.71
424	5.69	5.67	5.65
426	5.63	5.61	5.60
428	5.55	5.54	5.54
430	5.55	5.51	5.51
432	5.51	5.49	5.50
434	5.49	5.46	5.49
436	5.45	5.45	5.46
438	5.45	5.45	5.47
440	5.44	5.46	5.48
442	5.44	5.47	5.49
444	5.47	5.49	5.51
446	5.50	5.50	5.52
448	5.52	5.53	5.58
450	5.55	5.56	5.60
452	5.58	5.60	5.65
454	5.62	5.66	5.68
456	5.69	5.73	5.79
458	5.76	5.79	5.82
460	5.83	5.87	5.91
462	5.92	5.96	5.99
464	6.01	6.04	6.10
466	6.09	6.14	6.19
468	6.23	6.26	6.33
470	6.33	6.39	6.47
472	6.46	6.53	6.60
474	6.60	6.68	6.74
476	6.77	6.83	6.90
478	6.93	6.99	7.07
480	7.12	7.17	7.25
482	7.30	7.34	7.43
484	7.48	7.53	7.60
486	7.67	7.71	7.76
488	7.84	7.90	7.92
490	7.99	8.01	8.02
492	8.15	8.13	8.13
494	8.27	8.23	8.20
496	8.34	8.28	8.22
498	8.39	8.27	8.18
500	8.37	8.20	8.05
505	8.20	7.97	7.76
510	7.85	7.54	7.29
515	7.28	6.89	6.56
520	6.41	5.92	5.49
525	5.27	4.56	3.95
530	3.47	2.27	1.06

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