

Metal Shield Band Pass Filter

RBP-263+

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	87.44	88.60	89.60	0.03	0.05	0.04	0.00	0.00	0.00
10	78.53	79.30	77.80	0.05	0.07	0.06	0.00	0.00	0.00
50	50.42	50.40	50.34	0.14	0.16	0.15	0.00	0.00	0.01
80	41.34	41.32	41.28	0.20	0.23	0.22	0.01	0.01	0.01
90	38.86	38.83	38.81	0.22	0.25	0.24	0.01	0.02	0.02
100	36.54	36.51	36.48	0.24	0.28	0.27	0.01	0.03	0.03
120	32.17	32.14	32.11	0.31	0.35	0.35	0.03	0.04	0.05
140	28.10	28.07	28.04	0.41	0.46	0.47	0.06	0.08	0.09
150	26.22	26.20	26.17	0.48	0.54	0.56	0.09	0.11	0.12
200	10.85	10.74	10.50	4.52	5.05	5.57	1.31	1.44	1.56
230	1.45	1.58	1.67	14.68	15.25	15.66	14.39	14.81	15.32
250	1.05	1.19	1.28	21.30	21.03	20.30	20.86	20.19	19.71
297	1.52	1.71	1.88	21.81	22.00	22.09	19.92	20.10	19.55
300	1.70	1.91	2.10	17.56	17.52	17.43	16.43	16.54	16.13
325	9.41	9.80	10.25	2.12	2.18	2.19	2.09	2.22	2.27
350	23.93	24.30	24.79	0.62	0.69	0.71	0.59	0.68	0.75
360	30.60	30.99	31.57	0.49	0.55	0.57	0.45	0.53	0.59
400	39.93	39.87	39.68	0.31	0.36	0.37	0.23	0.29	0.33
500	40.78	40.80	40.83	0.23	0.27	0.27	0.11	0.15	0.19
600	47.48	47.50	47.57	0.21	0.25	0.25	0.09	0.13	0.17
700	56.61	56.53	56.93	0.20	0.24	0.24	0.09	0.13	0.17
800	80.20	81.13	77.97	0.19	0.24	0.23	0.10	0.14	0.19
900	61.36	61.40	60.42	0.19	0.24	0.24	0.11	0.16	0.21
1000	58.00	57.90	57.08	0.19	0.24	0.24	0.12	0.17	0.23
1200	58.47	58.67	57.06	0.18	0.23	0.24	0.15	0.21	0.27
1400	58.97	57.99	58.99	0.28	0.34	0.37	0.18	0.26	0.32
1500	36.79	36.46	35.84	7.78	8.07	9.34	0.20	0.28	0.35
1600	47.41	46.15	45.39	0.34	0.39	0.43	0.22	0.30	0.38
1800	58.23	55.78	53.00	0.14	0.21	0.24	0.25	0.32	0.42
2000	67.75	68.08	60.03	0.14	0.21	0.25	0.26	0.33	0.41
2200	56.37	56.46	71.27	0.15	0.24	0.29	0.25	0.33	0.39
2400	48.24	49.51	54.14	0.17	0.27	0.33	0.21	0.34	0.39
2500	45.45	47.12	50.15	0.17	0.29	0.34	0.21	0.34	0.39
2600	44.72	45.50	49.63	0.19	0.32	0.37	0.20	0.34	0.39
2800	43.17	42.70	50.08	0.24	0.37	0.44	0.23	0.35	0.45
3000	39.00	40.02	42.74	0.30	0.45	0.53	0.21	0.37	0.44
3200	37.40	37.54	40.47	0.36	0.51	0.60	0.28	0.36	0.48
3400	34.72	35.82	37.32	0.42	0.58	0.68	0.20	0.36	0.48
3500	33.72	34.89	36.35	0.43	0.62	0.72	0.22	0.36	0.48
3600	33.27	33.98	35.67	0.47	0.67	0.78	0.24	0.37	0.50
3800	32.84	33.40	35.30	0.77	0.98	1.12	0.28	0.44	0.59
4000	31.82	32.79	34.25	0.60	0.83	1.00	0.34	0.51	0.66
4200	30.26	31.07	32.39	0.44	0.66	0.86	0.51	0.58	0.73
4400	29.18	29.85	31.62	0.36	0.60	0.83	0.59	0.71	0.75
4500	28.87	29.20	30.23	0.33	0.59	0.82	0.57	0.80	0.96
4600	27.24	28.32	29.46	0.31	0.59	0.82	0.67	0.88	1.08
4800	25.77	26.28	27.11	0.35	0.60	0.88	1.30	0.98	1.44
5000	23.59	24.17	24.67	0.40	0.67	1.02	0.98	1.14	1.20
5200	21.35	21.86	22.03	0.56	0.87	1.29	1.08	1.31	1.43
5400	18.23	18.52	17.96	1.03	1.41	1.91	1.32	1.56	1.51
5500	16.72	16.82	16.58	1.51	1.97	2.59	1.52	1.75	1.75
5600	15.07	14.76	14.35	2.15	3.02	3.95	1.77	2.14	2.35
5800	10.92	11.13	11.22	8.36	10.33	11.00	3.20	4.07	4.25
6000	12.62	14.61	16.25	5.31	5.71	6.44	7.45	6.11	4.68

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
230	8.89	8.80	8.74
240	7.68	7.62	7.58
250	6.85	6.85	6.80
260	6.55	6.53	6.54
270	6.63	6.64	6.64
280	7.02	7.01	7.02
290	7.84	7.86	7.93
297	8.88	8.94	8.99
300	9.50	9.48	9.61
310	11.06	10.95	10.89
320	9.45	9.26	8.99
325	7.84	7.64	7.43
330	6.30	6.14	5.92
340	4.03	3.88	3.74
350	2.56	2.30	2.36
360	1.13	0.85	0.51
370	2.87	4.12	5.37
380	48.02	39.09	34.55
390	2.75	3.31	2.54
400	0.33	0.28	0.35
410	0.13	0.42	0.07
420	0.60	0.10	0.20
430	0.29	0.84	0.53
440	0.49	0.22	0.03
450	0.37	0.38	0.38
460	0.60	0.24	0.26
470	0.91	0.58	0.65
480	0.08	0.78	0.53
490	0.22	1.02	0.09
500	0.07	0.99	0.13
510	0.60	0.07	0.52
520	0.06	0.49	0.47
530	0.30	0.97	0.03
540	0.30	1.53	0.22
550	0.15	0.10	0.64
560	0.89	0.01	1.08
570	0.18	0.11	0.64
580	0.27	0.33	0.06
590	1.06	0.42	0.76
600	0.44	1.55	0.58
610	1.63	0.84	0.20
620	1.31	2.13	0.22
630	0.30	0.10	0.36
640	0.51	1.43	0.29
650	0.17	3.49	1.96
660	0.40	0.76	0.48
670	2.98	0.81	1.38
680	1.89	3.96	0.14
690	1.33	0.89	0.52
695	3.29	3.78	0.63
700	0.58	1.34	1.07
705	0.67	2.79	0.97
710	2.61	4.44	1.85
720	2.88	0.68	0.37

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