

Metal Shield Band Pass Filter

RBP-415+

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	91.77	95.57	99.14	0.02	0.02	0.03	0.00	0.00	0.00
10	90.93	90.00	91.91	0.03	0.04	0.04	0.00	0.00	0.00
50	61.71	61.64	61.60	0.09	0.11	0.10	0.00	0.00	0.00
100	49.15	49.09	49.07	0.14	0.17	0.17	0.00	0.01	0.01
110	47.31	47.26	47.21	0.15	0.18	0.18	0.00	0.01	0.01
120	45.58	45.55	45.49	0.16	0.19	0.19	0.00	0.01	0.01
170	38.16	38.13	38.07	0.20	0.24	0.24	0.03	0.05	0.06
180	36.84	36.81	36.76	0.21	0.25	0.26	0.04	0.07	0.08
225	31.22	31.21	31.19	0.27	0.32	0.34	0.09	0.13	0.15
270	27.11	27.18	27.24	0.37	0.44	0.47	0.29	0.36	0.40
318	14.68	14.28	13.73	1.14	1.39	1.58	2.27	2.80	3.23
320	12.73	12.40	11.92	1.34	1.63	1.85	2.72	3.35	3.89
328	6.56	6.56	6.38	3.02	3.44	3.83	6.16	7.53	8.85
330	5.50	5.58	5.47	3.69	4.11	4.51	7.51	9.11	10.67
340	2.85	3.11	3.22	6.76	6.96	7.14	10.76	11.45	11.70
350	2.16	2.40	2.53	7.98	8.17	8.30	9.54	9.85	9.96
360	1.78	1.99	2.11	9.24	9.53	9.77	10.23	10.63	10.87
370	1.49	1.68	1.79	11.00	11.41	11.80	12.07	12.63	13.07
380	1.28	1.47	1.57	13.01	13.56	14.15	14.22	14.97	15.70
390	1.15	1.34	1.45	15.05	15.73	16.56	15.94	16.76	17.70
400	1.08	1.28	1.39	17.23	18.05	19.14	17.11	17.81	18.72
404	1.06	1.26	1.38	18.18	19.05	20.22	17.52	18.11	18.96
410	1.05	1.26	1.38	19.74	20.60	21.81	18.11	18.52	19.23
420	1.06	1.28	1.40	21.54	21.86	22.36	18.82	18.85	19.24
425	1.08	1.30	1.43	21.41	21.36	21.40	18.89	18.77	19.00
426	1.08	1.30	1.44	21.30	21.20	21.17	18.88	18.74	18.94
430	1.10	1.33	1.47	20.63	20.36	20.15	18.81	18.62	18.74
440	1.17	1.41	1.57	19.19	18.87	18.54	18.78	18.69	18.79
450	1.25	1.52	1.70	19.80	19.37	18.91	21.11	21.46	21.92
460	1.42	1.74	1.97	22.04	20.15	18.67	42.52	35.23	30.69
470	1.99	2.43	2.76	13.32	12.46	11.57	14.25	13.66	13.00
475	2.63	3.14	3.55	9.41	8.96	8.39	9.79	9.51	9.11
480	3.63	4.20	4.69	6.54	6.34	6.00	6.72	6.62	6.41
490	6.66	7.31	7.88	3.19	3.24	3.15	3.19	3.30	3.29
500	10.59	11.21	11.79	1.75	1.87	1.87	1.67	1.83	1.90
510	14.78	15.35	15.91	1.12	1.24	1.27	1.01	1.17	1.25
530	23.21	23.70	24.23	0.65	0.75	0.79	0.52	0.65	0.73
540	27.50	27.98	28.51	0.55	0.64	0.68	0.43	0.55	0.62
550	32.06	32.55	33.10	0.48	0.57	0.60	0.36	0.47	0.54
570	43.97	44.59	45.39	0.41	0.48	0.51	0.27	0.37	0.43
580	55.38	55.55	55.90	0.38	0.45	0.48	0.24	0.34	0.40
600	47.24	47.04	46.87	0.35	0.41	0.43	0.20	0.29	0.35
700	44.62	44.82	44.99	0.27	0.32	0.34	0.12	0.21	0.25
750	47.77	47.99	48.22	0.26	0.30	0.32	0.11	0.19	0.24
800	52.14	52.38	52.64	0.25	0.29	0.31	0.11	0.20	0.24
900	73.75	74.54	74.53	0.24	0.28	0.30	0.12	0.20	0.25
1400	50.71	50.95	51.16	0.22	0.26	0.29	0.23	0.33	0.40
1500	51.28	51.72	52.00	0.21	0.25	0.28	0.24	0.35	0.42
2000	46.64	46.09	45.61	0.42	0.51	0.60	0.28	0.43	0.52
2100	36.92	36.36	36.02	1.30	1.54	1.80	0.27	0.42	0.52
2200	29.40	29.60	29.86	5.95	5.91	5.57	0.26	0.42	0.51
2300	35.41	35.76	35.83	0.79	0.85	0.91	0.23	0.39	0.49
2400	39.24	39.49	39.84	0.41	0.47	0.55	0.21	0.37	0.48
2500	41.98	41.96	42.90	0.32	0.39	0.48	0.18	0.35	0.46

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
400	4.95	4.92	4.96
404	4.94	4.87	4.95
410	4.91	4.93	4.95
420	5.02	5.00	5.01
425	5.13	5.13	5.16
426	5.14	5.15	5.15
430	5.26	5.26	5.27
440	5.67	5.67	5.73
450	6.33	6.35	6.43
460	7.28	7.32	7.35
470	8.14	8.06	8.00
475	8.19	8.05	7.90
480	7.89	7.69	7.51
490	6.52	6.26	6.11
500	4.90	4.72	4.60
510	3.57	3.49	3.34
520	2.56	2.56	2.35
530	1.82	1.94	1.68
540	1.31	1.15	1.07
550	0.51	0.01	0.11
561	3.14	3.27	4.86
570	41.04	33.77	35.62
580	4.94	7.02	5.03
590	1.04	1.36	0.59
600	0.19	0.30	0.83
610	0.39	0.05	0.03
620	0.83	0.53	0.33
630	0.77	0.37	0.36
640	0.81	0.13	0.46
650	0.31	0.02	0.35
660	0.35	0.43	0.14
670	0.71	1.08	0.47
680	0.06	0.64	0.18
690	0.33	0.41	0.64
700	0.12	0.64	0.08
710	0.63	0.34	0.75
720	0.51	0.31	0.91
730	0.52	0.03	1.12
740	0.89	0.06	1.05
750	0.26	0.91	0.74
760	0.62	0.70	0.72
770	1.91	0.53	0.16
780	0.56	1.98	0.49
790	1.34	0.03	0.09
791	0.75	0.59	1.60
792	0.11	1.65	1.33
793	0.61	0.34	0.97
794	0.50	0.50	0.79
795	0.13	0.39	0.24
796	1.15	0.95	0.53
797	0.88	0.81	0.35
798	0.18	0.00	0.56
799	0.50	2.76	1.40
800	0.68	0.11	0.27

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