

Metal Shield High Pass Filter

RHP-92+

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	95.94	78.86	92.77	0.001	0.006	0.002	0.008	0.011	0.012
10	85.38	86.66	86.38	0.008	0.004	0.005	0.009	0.004	0.005
20	90.25	94.02	89.08	0.01	0.01	0.02	0.02	0.02	0.02
30	90.10	87.80	91.64	0.03	0.04	0.06	0.04	0.05	0.05
40	44.08	43.77	43.62	0.15	0.19	0.24	0.19	0.22	0.26
50	23.14	23.00	22.80	0.48	0.57	0.66	0.55	0.64	0.73
60	18.82	18.70	18.51	0.66	0.76	0.87	0.74	0.85	0.97
65	6.19	6.22	6.20	3.51	3.83	4.16	3.73	4.08	4.45
70	3.27	3.38	3.44	6.72	7.17	7.66	7.09	7.59	8.14
80	2.09	2.24	2.34	10.82	11.39	12.02	11.42	12.06	12.79
85	0.80	0.92	1.03	30.80	30.93	30.82	30.55	31.05	31.53
90	0.70	0.82	0.91	31.91	31.71	31.40	31.15	31.45	31.98
92	0.67	0.78	0.87	32.60	32.37	32.06	32.06	32.40	33.03
95	0.63	0.74	0.83	34.45	33.85	33.14	36.01	35.86	35.88
100	0.57	0.68	0.76	35.06	34.09	32.94	38.78	37.65	36.59
160	0.19	0.26	0.31	47.52	46.06	43.26	34.01	33.30	32.87
200	0.16	0.23	0.28	36.68	35.48	34.31	33.94	32.42	31.32
250	0.15	0.22	0.28	31.98	30.73	29.63	31.00	29.72	28.54
300	0.13	0.21	0.27	29.86	27.91	26.50	29.47	27.54	26.12
400	0.12	0.20	0.27	28.15	25.92	24.11	28.14	25.85	24.00
500	0.11	0.21	0.30	28.35	24.90	22.28	28.34	24.87	22.22
600	0.10	0.21	0.32	28.48	24.45	21.65	28.68	24.51	21.68
700	0.11	0.25	0.35	28.46	23.90	20.89	28.57	23.95	20.91
800	0.11	0.26	0.39	27.52	23.02	20.12	27.83	23.27	20.32
900	0.13	0.30	0.45	26.00	22.25	19.68	26.58	22.58	19.92
1000	0.14	0.33	0.49	25.98	21.77	19.61	26.06	22.00	19.80
1200	0.16	0.36	0.53	23.76	21.45	19.87	24.05	21.77	20.07
1500	0.17	0.41	0.59	23.74	21.60	20.84	24.04	21.89	20.86
1800	0.20	0.46	0.67	24.20	22.62	22.69	24.08	22.43	21.82
2000	0.22	0.49	0.72	23.62	23.28	24.07	23.20	22.58	22.27
2500	0.30	0.59	0.85	22.70	23.79	25.68	21.92	22.42	22.30
2800	0.50	0.81	1.10	23.80	24.87	27.26	21.46	21.83	21.68
3000	0.58	0.88	1.11	24.22	24.88	27.42	21.11	21.37	21.68
3200	0.33	0.64	0.90	22.08	23.55	26.40	21.29	21.98	22.32
3500	0.29	0.63	0.92	22.24	23.19	24.92	21.38	21.84	21.66
3800	0.46	0.88	1.25	20.89	21.83	22.47	20.63	21.74	22.02
4000	0.77	1.20	1.57	18.14	18.82	19.10	19.09	19.50	20.17
4200	0.88	1.37	1.84	17.95	17.22	16.87	19.04	18.77	19.25
4500	2.12	2.56	2.91	20.31	19.32	18.62	28.06	28.12	28.42
4800	1.16	1.54	2.04	29.29	22.94	20.66	18.92	20.48	19.32
5000	0.87	1.30	1.81	16.39	16.67	16.27	16.29	17.05	16.50
5200	0.69	1.26	1.79	17.56	17.52	16.73	17.86	17.65	16.81
5500	1.03	1.66	2.13	17.96	20.95	20.65	18.06	20.66	19.83
5800	1.07	1.74	2.32	31.35	32.11	33.92	23.33	23.77	24.44
6000	2.04	2.82	3.62	19.93	20.52	20.31	17.96	16.65	16.06
6200	5.65	6.40	7.00	12.72	13.67	14.29	9.66	9.90	10.15
6500	1.67	2.36	2.99	15.87	17.99	20.26	15.20	16.15	17.20
6800	1.15	2.05	2.82	28.38	26.91	26.68	25.65	21.85	19.79
7000	1.70	3.48	4.27	16.83	15.77	16.57	15.82	13.00	13.39
7200	3.70	4.42	4.81	18.57	14.64	15.55	10.30	13.09	15.28
7500	1.72	2.41	3.32	24.15	21.69	20.31	27.65	25.22	22.30
7800	1.73	2.80	3.79	33.86	24.10	22.44	16.67	15.00	14.82
8000	2.77	3.74	4.87	27.05	30.14	27.38	11.62	11.77	11.97
8500	4.88	6.31	7.03	16.71	12.61	13.10	6.37	6.16	6.96

REV. X2
RHP-92+
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Page 1 of 2



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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
160	1.79	1.79	1.78
170	1.67	1.66	1.65
180	1.56	1.55	1.55
190	1.46	1.45	1.45
200	1.38	1.37	1.36
300	0.93	0.92	0.92
400	0.70	0.69	0.69
500	0.53	0.52	0.52
600	0.48	0.48	0.47
700	0.43	0.43	0.43
800	0.41	0.40	0.39
900	0.39	0.38	0.38
1000	0.38	0.37	0.36
1100	0.37	0.36	0.36
1200	0.37	0.36	0.36
1400	0.36	0.35	0.35
1500	0.36	0.35	0.35
1600	0.36	0.35	0.35
1700	0.36	0.35	0.35
1800	0.36	0.35	0.35
2000	0.36	0.35	0.35
2100	0.36	0.36	0.35
2200	0.37	0.36	0.36
2400	0.37	0.36	0.36
2500	0.37	0.36	0.36
2600	0.37	0.36	0.35
2700	0.35	0.34	0.33
2800	0.32	0.30	0.30
3000	0.30	0.29	0.29
3100	0.36	0.35	0.35
3200	0.37	0.36	0.36
3400	0.36	0.35	0.35
3500	0.36	0.35	0.35
3600	0.36	0.36	0.35
3700	0.37	0.36	0.36
3800	0.38	0.37	0.37
4000	0.34	0.33	0.33
4100	0.39	0.38	0.38
4200	0.40	0.39	0.39
4400	0.15	0.12	0.10
4500	0.21	0.22	0.24
4600	0.40	0.40	0.39
4700	0.43	0.37	0.37
4800	0.38	0.34	0.33
5000	0.37	0.39	0.38
5100	0.41	0.38	0.37
5200	0.38	0.38	0.37
5400	0.39	0.37	0.36
5500	0.35	0.34	0.34
5600	0.34	0.39	0.39
5700	0.43	0.42	0.41
5800	0.43	0.43	0.43
6000	0.46	0.44	0.43
6100	0.19	0.14	0.09

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Page 2 of 2



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