

Metal Shield High Pass Filter

RHP-73+

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	95.02	86.63	91.80	0.017	0.016	0.021	0.003	0.005	0.005
10	94.21	90.25	96.36	0.002	0.004	0.004	0.003	0.002	0.007
20	86.30	88.90	85.36	0.01	0.02	0.02	0.01	0.02	0.03
30	81.38	81.85	79.18	0.05	0.06	0.06	0.04	0.06	0.08
40	53.48	53.17	53.02	0.11	0.13	0.14	0.10	0.14	0.17
42	49.60	49.31	49.10	0.13	0.15	0.17	0.12	0.16	0.20
50	35.83	35.61	35.36	0.24	0.29	0.31	0.24	0.30	0.35
55	27.92	27.70	27.47	0.37	0.43	0.48	0.38	0.47	0.54
60	20.21	20.02	19.81	0.64	0.74	0.83	0.69	0.82	0.92
62	17.16	16.99	16.79	0.85	0.99	1.10	0.93	1.09	1.22
69	7.12	7.10	7.03	3.10	3.47	3.78	3.41	3.83	4.19
70	6.00	6.01	5.97	4.02	4.43	4.79	4.49	4.99	5.42
73	3.66	3.78	3.82	8.68	9.23	9.74	10.05	10.93	11.74
80	1.32	1.50	1.63	18.26	17.84	17.52	21.47	20.76	20.13
85	1.09	1.24	1.35	16.21	16.18	16.16	16.75	16.64	16.54
90	0.92	1.06	1.14	17.18	17.37	17.56	17.23	17.29	17.36
100	0.66	0.78	0.85	26.82	27.66	28.62	26.21	26.11	26.05
110	0.53	0.64	0.70	29.83	28.81	27.82	28.81	27.59	26.56
120	0.47	0.56	0.62	22.52	22.21	21.85	22.47	22.13	21.73
130	0.42	0.50	0.56	20.85	20.73	20.54	20.85	20.70	20.47
140	0.38	0.45	0.50	20.92	20.88	20.75	20.92	20.84	20.68
150	0.33	0.41	0.46	21.96	21.89	21.78	21.92	21.84	21.69
190	0.23	0.29	0.34	33.95	32.57	31.80	32.51	31.30	30.60
200	0.21	0.27	0.32	39.22	37.59	36.69	35.85	34.35	33.42
250	0.16	0.22	0.27	29.38	28.84	28.34	28.78	28.29	27.74
300	0.14	0.21	0.26	25.55	24.90	24.26	25.37	24.76	24.15
400	0.11	0.19	0.25	24.25	22.90	21.73	24.22	22.90	21.75
500	0.10	0.20	0.26	24.24	22.44	20.92	24.25	22.50	21.01
600	0.10	0.20	0.28	24.71	22.32	20.53	24.63	22.33	20.59
700	0.10	0.22	0.30	24.95	22.09	20.08	25.01	22.19	20.20
750	0.10	0.22	0.31	24.98	22.00	19.92	24.99	22.08	20.02
800	0.10	0.23	0.32	24.90	21.89	19.79	24.89	21.96	19.88
900	0.10	0.24	0.34	24.90	21.63	19.43	24.87	21.69	19.51
1000	0.10	0.25	0.36	24.78	21.42	19.20	24.56	21.35	19.19
1100	0.11	0.27	0.39	24.45	21.13	18.94	24.32	21.14	19.00
1200	0.13	0.29	0.42	23.88	20.84	18.72	23.66	20.80	18.73
1300	0.13	0.30	0.43	23.26	20.63	18.65	23.15	20.65	18.72
1400	0.13	0.32	0.46	23.43	20.50	18.62	23.42	20.55	18.69
1500	0.14	0.33	0.48	22.23	20.25	18.56	22.18	20.35	18.70
2000	0.16	0.39	0.56	23.12	21.27	20.43	23.15	21.40	20.55
2500	0.47	0.75	0.95	22.25	21.73	22.07	25.38	25.03	24.20
3000	0.23	0.56	0.80	25.21	24.87	25.61	23.97	23.12	22.38
3500	0.38	0.76	1.05	23.82	25.13	26.74	22.10	23.22	23.68
4000	0.84	1.24	1.55	21.84	23.00	23.52	19.21	20.90	21.98
4500	0.69	1.01	1.37	23.43	22.14	21.82	18.95	21.30	22.20
5000	0.57	1.07	1.51	23.81	22.43	21.63	22.50	22.74	22.55
5500	0.81	1.38	1.86	33.21	29.35	26.55	30.79	36.26	38.77
6000	4.12	4.85	5.49	13.42	13.38	13.37	12.94	13.56	13.89
6500	1.60	2.90	3.90	27.98	20.31	18.17	28.56	23.34	22.00
7000	1.97	2.53	3.18	23.10	28.02	25.23	27.67	28.19	24.07
7500	1.56	2.89	4.04	25.90	31.16	24.78	16.31	14.72	13.78
8000	2.29	3.22	3.91	10.01	11.45	11.96	7.88	9.29	9.95
8500	2.60	3.51	4.40	10.34	11.25	12.43	7.77	8.61	9.28

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
140	6.68	6.61	6.56
150	4.98	4.95	4.92
190	2.62	2.60	2.59
200	2.34	2.33	2.32
250	1.52	1.51	1.50
300	1.12	1.11	1.11
350	0.90	0.89	0.89
400	0.76	0.75	0.75
450	0.67	0.66	0.66
500	0.61	0.60	0.60
600	0.52	0.51	0.51
650	0.50	0.49	0.48
700	0.47	0.46	0.46
750	0.46	0.45	0.45
800	0.44	0.43	0.43
850	0.43	0.42	0.42
900	0.42	0.41	0.41
950	0.41	0.40	0.40
1000	0.41	0.40	0.39
1200	0.38	0.37	0.37
1400	0.37	0.36	0.36
1500	0.37	0.36	0.36
1600	0.37	0.36	0.36
1700	0.37	0.35	0.35
1800	0.36	0.35	0.35
2000	0.36	0.35	0.35
2200	0.36	0.35	0.35
2400	0.37	0.36	0.36
2500	0.32	0.31	0.31
2600	0.36	0.35	0.35
2700	0.36	0.35	0.35
2800	0.36	0.35	0.35
3000	0.36	0.35	0.35
3200	0.36	0.35	0.35
3400	0.37	0.36	0.36
3500	0.38	0.37	0.38
3700	0.39	0.37	0.36
3800	0.10	0.07	0.06
4000	0.41	0.40	0.40
4200	0.38	0.38	0.37
4400	0.36	0.33	0.34
4500	0.34	0.35	0.36
4700	0.37	0.36	0.36
4800	0.37	0.36	0.36
5000	0.36	0.37	0.36
5200	0.38	0.37	0.37
5400	0.38	0.37	0.36
5500	0.39	0.38	0.39
5700	0.42	0.41	0.41
5800	0.42	0.42	0.41
6000	0.04	0.02	0.01
6200	0.41	0.41	0.42
6400	0.48	0.48	0.47
6500	0.50	0.46	0.39

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