

Metal Shield High Pass Filter

RHP-122+

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	91.49	93.44	92.09	0.013	0.017	0.015	0.006	0.004	0.005
1	91.49	94.21	92.25	0.012	0.016	0.014	0.006	0.004	0.005
10	91.12	105.86	96.26	0.004	0.004	0.007	0.002	0.003	0.007
20	102.60	90.77	97.16	0.01	0.01	0.02	0.01	0.01	0.02
30	91.24	89.54	91.37	0.02	0.02	0.03	0.01	0.02	0.04
40	87.57	87.77	85.47	0.04	0.04	0.06	0.02	0.05	0.07
50	71.54	71.66	70.85	0.07	0.08	0.10	0.05	0.08	0.11
60	57.36	57.19	57.06	0.10	0.12	0.15	0.08	0.13	0.16
65	51.56	51.43	51.23	0.13	0.15	0.18	0.11	0.15	0.20
70	46.06	45.90	45.73	0.16	0.19	0.22	0.14	0.19	0.23
80	36.14	36.00	35.84	0.24	0.28	0.33	0.22	0.29	0.34
85	31.49	31.37	31.21	0.30	0.35	0.41	0.29	0.36	0.42
90	26.99	26.86	26.71	0.38	0.44	0.51	0.37	0.46	0.53
95	22.60	22.48	22.34	0.49	0.57	0.66	0.50	0.60	0.68
100	18.32	18.21	18.07	0.67	0.78	0.89	0.68	0.81	0.92
105	14.16	14.07	13.95	0.99	1.13	1.27	1.01	1.19	1.33
110	10.24	10.19	10.10	1.60	1.80	1.99	1.65	1.89	2.10
115	6.78	6.80	6.77	2.80	3.08	3.35	2.88	3.23	3.53
120	4.12	4.20	4.23	4.96	5.34	5.70	5.12	5.58	6.00
122	3.24	3.35	3.41	6.07	6.47	6.87	6.26	6.76	7.23
130	1.47	1.64	1.75	12.90	13.38	13.88	13.33	13.98	14.66
140	0.84	0.99	1.10	23.96	24.50	25.02	23.89	24.51	25.10
150	0.65	0.78	0.88	32.55	33.31	33.94	27.70	27.69	27.63
160	0.55	0.67	0.75	37.29	38.92	40.20	29.14	28.88	28.72
170	0.48	0.59	0.67	32.41	32.57	32.32	29.25	28.82	28.54
180	0.44	0.53	0.61	28.57	28.23	27.76	27.77	27.26	26.79
190	0.40	0.49	0.57	26.75	26.15	25.61	26.60	25.93	25.35
200	0.36	0.45	0.53	26.05	25.28	24.69	26.14	25.30	24.65
300	0.20	0.28	0.34	40.75	41.65	41.63	35.99	36.65	36.99
400	0.15	0.23	0.30	27.10	26.34	25.75	26.88	26.18	25.65
500	0.13	0.22	0.29	25.36	23.89	22.80	25.33	23.87	22.82
600	0.13	0.23	0.32	25.27	23.20	21.70	25.28	23.28	21.76
700	0.13	0.23	0.33	25.94	22.99	21.19	25.97	23.09	21.28
750	0.13	0.24	0.35	25.97	22.88	20.95	25.94	22.98	21.02
800	0.13	0.24	0.35	26.20	22.79	20.68	26.17	22.89	20.73
900	0.11	0.25	0.35	26.60	22.65	20.39	26.50	22.70	20.47
1000	0.13	0.27	0.39	26.58	22.38	20.07	26.24	22.33	20.07
1500	0.15	0.34	0.51	24.46	20.58	18.73	24.44	20.70	18.87
1700	0.17	0.37	0.54	22.60	20.21	18.90	22.52	20.36	19.00
2000	0.17	0.41	0.58	22.07	20.52	19.71	22.14	20.67	19.92
2500	0.22	0.48	0.71	24.54	23.65	23.99	23.98	23.39	23.27
3000	0.28	0.60	0.87	28.00	27.81	28.55	25.75	25.46	24.27
3500	0.30	0.66	0.97	27.73	26.26	26.39	25.56	24.36	23.71
4000	0.41	0.82	1.18	18.99	20.08	20.39	18.52	20.21	21.11
4500	0.64	1.13	1.59	15.07	15.12	15.02	15.32	15.81	16.06
5000	3.03	3.62	4.11	12.13	12.05	12.00	19.22	17.92	17.43
5500	0.88	1.45	1.96	18.48	17.26	16.63	19.46	18.09	17.36
6000	2.08	4.68	4.94	17.88	14.69	15.54	13.72	10.05	10.88
6500	0.99	1.63	2.27	17.03	19.79	21.81	17.54	22.29	28.49
6900	0.97	1.76	2.52	27.53	22.90	20.01	33.00	26.79	22.44
7000	1.03	1.88	2.67	26.55	20.55	18.58	31.15	22.73	20.63
7500	1.73	2.74	3.71	11.85	11.42	11.14	11.24	11.69	12.10
8000	4.01	5.60	6.62	5.93	6.23	7.07	6.19	7.27	8.26
8500	16.08	16.35	17.90	3.78	4.71	5.63	5.75	9.02	9.12

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RHP-122+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
200	4.38	4.35	4.32
300	1.67	1.66	1.65
400	1.04	1.03	1.03
500	0.78	0.77	0.77
600	0.64	0.63	0.62
700	0.56	0.55	0.54
800	0.51	0.50	0.49
900	0.48	0.46	0.47
1000	0.45	0.44	0.43
1100	0.42	0.42	0.41
1200	0.41	0.41	0.40
1300	0.41	0.40	0.39
1400	0.40	0.39	0.38
1500	0.39	0.38	0.38
1600	0.38	0.38	0.37
1700	0.38	0.37	0.36
1800	0.38	0.37	0.36
1900	0.37	0.36	0.36
2000	0.37	0.36	0.36
2200	0.37	0.36	0.35
2300	0.36	0.36	0.35
2400	0.36	0.36	0.35
2500	0.37	0.36	0.35
2600	0.37	0.36	0.35
2700	0.37	0.36	0.35
2800	0.37	0.36	0.36
2900	0.37	0.36	0.36
3000	0.38	0.37	0.36
3200	0.29	0.28	0.28
3300	0.38	0.37	0.36
3400	0.37	0.36	0.36
3500	0.37	0.36	0.36
3600	0.37	0.36	0.35
3700	0.37	0.36	0.35
3800	0.37	0.36	0.35
3900	0.37	0.36	0.35
4000	0.37	0.36	0.35
4200	0.37	0.36	0.36
4300	0.37	0.36	0.36
4400	0.37	0.37	0.36
4500	0.38	0.37	0.37
4600	0.39	0.38	0.37
4700	0.39	0.39	0.38
4800	0.40	0.39	0.38
4900	0.34	0.31	0.29
5000	0.10	0.09	0.07
5200	0.38	0.37	0.36
5300	0.39	0.39	0.38
5400	0.41	0.40	0.39
5500	0.41	0.40	0.40
5600	0.40	0.42	0.40
5700	0.40	0.41	0.41
5800	0.45	0.47	0.45
5900	0.51	0.48	0.44

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