

Metal Shield High Pass Filter

RHP-65+

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	96.80	87.52	88.04	0.003	0.001	0.001	0.014	0.014	0.013
10	97.72	94.77	96.29	0.006	0.007	0.010	0.003	0.005	0.009
15	91.74	90.47	94.72	0.02	0.02	0.02	0.01	0.01	0.02
20	88.72	91.87	96.86	0.03	0.03	0.04	0.02	0.03	0.04
25	80.68	81.47	84.15	0.05	0.05	0.06	0.04	0.06	0.07
30	66.49	65.68	66.02	0.08	0.09	0.11	0.07	0.10	0.11
35	53.18	52.90	52.74	0.12	0.15	0.17	0.11	0.15	0.18
37	48.69	48.39	48.24	0.14	0.17	0.19	0.13	0.18	0.21
40	42.61	42.35	42.18	0.19	0.23	0.26	0.19	0.24	0.28
45	33.09	32.90	32.69	0.32	0.37	0.42	0.32	0.39	0.45
48	27.64	27.45	27.25	0.42	0.49	0.55	0.42	0.51	0.59
52	20.60	20.44	20.26	0.71	0.83	0.92	0.74	0.87	0.98
57	12.15	12.08	11.98	1.79	2.02	2.23	1.87	2.12	2.34
61	6.65	6.70	6.70	4.79	5.19	5.57	5.01	5.43	5.83
65	2.82	2.98	3.09	11.10	11.64	12.15	12.50	13.35	13.90
70	1.39	1.57	1.70	25.82	25.94	26.14	32.71	34.74	35.00
80	0.87	0.99	1.09	26.90	27.04	27.07	28.53	27.69	27.21
88	0.70	0.81	0.89	26.49	26.50	26.41	28.71	27.68	27.04
90	0.67	0.78	0.86	24.63	24.57	24.45	25.72	25.21	24.86
100	0.57	0.66	0.73	20.22	20.10	19.98	20.34	20.19	20.08
110	0.48	0.56	0.63	19.66	19.59	19.48	19.71	19.58	19.47
120	0.41	0.49	0.55	20.93	20.90	20.81	20.97	20.84	20.69
130	0.36	0.43	0.48	23.45	23.48	23.40	23.52	23.37	23.16
140	0.31	0.38	0.43	27.37	27.38	27.31	27.58	27.28	26.95
150	0.27	0.34	0.39	33.22	32.86	32.70	33.84	33.07	32.34
160	0.25	0.31	0.36	35.05	34.71	34.65	35.90	35.88	35.28
170	0.24	0.30	0.34	29.91	30.23	30.31	30.22	30.82	30.94
180	0.22	0.28	0.33	26.62	27.03	27.17	26.82	27.40	27.59
190	0.21	0.27	0.32	24.59	24.94	25.10	24.74	25.17	25.37
200	0.20	0.26	0.30	23.28	23.52	23.65	23.41	23.69	23.84
300	0.15	0.22	0.27	20.32	19.82	19.38	20.32	19.88	19.44
400	0.13	0.20	0.26	21.15	20.15	19.29	21.10	20.16	19.31
500	0.11	0.21	0.27	22.33	20.82	19.65	22.22	20.78	19.65
600	0.11	0.21	0.28	23.49	21.35	19.83	23.47	21.35	19.90
700	0.10	0.22	0.30	24.48	21.74	19.94	24.35	21.70	19.96
800	0.10	0.23	0.31	24.56	21.84	19.86	24.43	21.83	19.90
900	0.11	0.24	0.34	24.85	21.82	19.66	24.75	21.84	19.73
1000	0.11	0.26	0.36	24.86	21.60	19.45	24.93	21.75	19.64
1400	0.13	0.32	0.44	23.13	20.54	18.87	23.28	20.76	19.09
1500	0.15	0.34	0.47	22.52	20.27	18.78	22.68	20.49	18.97
2000	0.19	0.42	0.57	21.51	20.41	20.10	21.48	20.52	20.08
2500	0.58	0.83	1.00	23.52	23.38	24.11	20.17	20.33	20.58
3000	0.26	0.58	0.81	28.20	27.04	28.32	26.37	24.65	23.70
3500	0.44	0.82	1.11	29.04	28.17	27.74	26.80	25.60	24.17
4000	1.07	1.53	1.77	27.70	28.11	28.00	23.52	22.73	23.32
4500	0.81	1.60	1.88	16.54	17.89	19.42	16.88	18.68	20.83
5000	0.55	1.10	1.51	20.61	19.22	18.10	21.04	19.47	18.66
5500	0.81	1.46	1.86	24.39	22.45	20.14	24.59	22.38	20.48
6000	1.73	2.84	3.26	20.36	21.84	21.98	19.10	15.99	16.60
6500	2.63	3.47	4.20	18.26	19.42	19.70	24.10	34.36	29.76
7000	2.46	3.29	3.83	22.60	24.47	23.65	18.92	19.28	19.06
7500	1.34	2.30	3.20	14.43	14.82	14.92	12.72	13.75	14.06
8000	1.99	2.97	3.87	10.58	11.77	11.73	8.78	9.82	10.48
8500	2.63	3.53	4.55	9.85	10.10	10.70	7.53	8.09	8.52

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
130	7.04	6.98	6.93
140	5.16	5.12	5.10
150	4.09	4.07	4.06
170	2.93	2.92	2.91
180	2.57	2.56	2.55
200	2.05	2.04	2.04
300	1.02	1.01	1.00
400	0.71	0.70	0.70
500	0.57	0.56	0.56
600	0.50	0.49	0.49
700	0.46	0.45	0.45
800	0.43	0.42	0.42
900	0.41	0.40	0.40
1000	0.40	0.39	0.39
1200	0.38	0.37	0.37
1400	0.37	0.36	0.36
1500	0.37	0.36	0.35
1700	0.36	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	0.31	0.30	0.29
2500	0.28	0.27	0.28
2700	0.37	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	0.37
3800	0.13	0.11	0.10
4000	0.36	0.35	0.35
4200	0.39	0.38	0.38
4400	0.39	0.38	0.36
4500	0.29	0.26	0.27
4800	0.38	0.36	0.36
5000	0.37	0.35	0.35
5200	0.37	0.36	0.36
5400	0.36	0.34	0.35
5500	0.36	0.36	0.37
5800	0.42	0.41	0.40
6000	0.36	0.26	0.29
6200	0.41	0.26	0.27
6400	0.39	0.44	0.43
6500	0.45	0.42	0.38
6800	0.02	0.12	0.18
7000	0.41	0.39	0.40
7200	0.44	0.42	0.42
7400	0.42	0.39	0.41
7500	0.41	0.39	0.39
7800	0.38	0.38	0.34
8000	0.37	0.38	0.36
8200	0.37	0.39	0.40
8400	0.37	0.37	0.39
8500	0.29	0.42	0.52

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