

Metal Shield High Pass Filter

RHP-305+

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	89.48	103.82	103.06	0.014	0.013	0.012	0.003	0.002	0.002
1	90.10	102.93	102.75	0.013	0.012	0.012	0.002	0.002	0.002
20	95.79	98.29	95.83	0.001	0.003	0.003	0.002	0.005	0.008
50	108.48	93.59	98.04	0.013	0.018	0.023	0.003	0.019	0.037
100	75.07	75.29	75.38	0.04	0.05	0.07	0.02	0.06	0.08
120	66.84	66.38	66.72	0.06	0.08	0.10	0.04	0.08	0.11
160	50.02	50.11	50.01	0.11	0.14	0.16	0.09	0.14	0.18
215	30.08	30.06	29.96	0.25	0.30	0.33	0.24	0.32	0.37
260	15.22	15.16	15.02	0.65	0.75	0.82	0.67	0.81	0.91
300	4.22	4.24	4.20	3.74	4.07	4.38	3.83	4.23	4.58
305	3.34	3.39	3.37	4.76	5.14	5.50	4.86	5.31	5.73
320	1.62	1.73	1.78	9.03	9.58	10.14	9.15	9.81	10.44
350	0.64	0.78	0.87	23.10	23.99	24.97	23.02	23.97	24.98
420	0.38	0.50	0.58	30.54	28.84	27.11	33.08	31.25	29.04
700	0.23	0.34	0.42	20.09	20.13	20.14	19.80	19.85	19.84
1000	0.17	0.30	0.39	24.80	28.82	36.32	24.42	27.20	29.40
1200	0.15	0.30	0.42	28.41	40.82	31.78	28.42	33.47	28.97
1400	0.14	0.32	0.45	34.72	33.00	25.29	34.59	32.19	25.18
1500	0.15	0.33	0.48	37.67	29.46	23.51	40.93	29.93	23.84
1800	0.16	0.38	0.53	33.80	25.23	21.42	38.99	26.17	21.94
2000	0.17	0.40	0.58	31.05	24.43	21.44	32.57	25.37	22.22
2200	0.17	0.42	0.61	28.79	24.23	21.87	30.32	25.25	22.57
2400	0.19	0.45	0.65	27.69	24.79	23.31	28.32	25.82	23.98
2500	0.19	0.47	0.67	27.03	24.74	23.60	27.99	25.99	24.36
2800	0.22	0.52	0.74	26.92	25.42	25.60	27.32	26.06	25.14
3000	0.23	0.55	0.79	26.32	25.27	25.64	26.00	25.18	24.35
3200	0.25	0.58	0.84	23.76	24.60	25.42	23.01	23.80	23.34
3400	0.27	0.63	0.90	23.97	23.37	23.82	23.15	22.58	21.89
3500	0.28	0.64	0.92	23.47	23.15	23.70	22.33	22.11	21.60
3800	0.32	0.71	1.02	20.37	20.97	21.09	19.54	20.51	20.38
4000	0.38	0.79	1.11	19.03	19.20	19.49	18.86	19.55	19.54
4200	0.40	0.85	1.20	18.00	17.76	17.86	17.85	17.89	18.09
4400	0.47	0.93	1.29	16.70	16.34	16.35	16.37	16.46	16.92
4500	0.49	0.97	1.34	15.70	15.75	15.90	15.76	16.14	16.61
4800	0.62	1.16	1.57	14.39	14.09	13.73	14.45	14.46	14.36
5000	0.70	1.27	1.69	14.00	13.27	13.05	14.00	13.62	13.65
5200	1.00	1.58	2.01	13.49	13.26	12.93	13.27	13.35	13.76
5400	0.83	1.43	1.87	14.14	13.64	13.25	13.56	13.42	13.50
5500	0.79	1.39	1.85	14.19	13.49	13.22	13.64	13.52	13.69
5800	0.78	1.38	1.91	14.17	13.73	13.20	13.78	13.72	13.30
6000	0.78	1.38	1.97	14.26	14.36	14.08	13.94	14.27	14.17
6200	0.83	1.49	2.01	14.73	14.74	14.70	14.20	14.57	14.61
6400	0.91	1.51	2.04	14.71	15.04	15.25	13.93	14.82	15.35
6500	0.83	1.54	2.11	14.81	14.97	15.63	14.66	15.63	16.26
6800	0.94	1.66	2.18	15.83	17.24	18.13	15.06	16.73	18.27
7000	0.95	1.72	2.29	16.66	17.80	19.33	16.07	18.42	20.89
7200	1.06	1.77	2.34	17.98	20.15	22.89	18.33	20.82	25.48
7400	1.07	1.84	2.59	20.37	21.93	26.48	19.51	23.24	26.91
7500	1.18	2.02	2.66	19.34	22.37	24.85	20.09	23.51	27.01
7800	1.67	2.35	3.21	31.95	30.59	27.75	18.77	20.62	18.73
8000	1.94	2.74	3.65	41.47	26.85	24.27	16.33	17.39	16.79
8200	3.09	3.88	5.20	23.62	24.35	25.77	13.45	14.85	14.25
8400	5.61	6.80	7.87	18.68	20.52	23.24	10.46	11.06	11.65
8500	6.20	6.99	7.89	14.20	15.59	16.78	8.10	9.02	9.64

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
420	2.46	2.44	2.43
500	1.62	1.61	1.60
600	1.16	1.15	1.14
700	0.92	0.91	0.91
800	0.77	0.77	0.76
900	0.68	0.67	0.67
1000	0.61	0.60	0.60
1200	0.53	0.52	0.51
1400	0.48	0.47	0.46
1500	0.46	0.45	0.45
1600	0.44	0.43	0.43
1700	0.43	0.42	0.42
1800	0.42	0.41	0.41
2000	0.41	0.40	0.39
2200	0.40	0.39	0.38
2400	0.39	0.38	0.38
2500	0.38	0.38	0.37
2600	0.38	0.37	0.37
2700	0.38	0.37	0.37
2800	0.38	0.37	0.37
3000	0.38	0.36	0.36
3200	0.37	0.36	0.36
3400	0.37	0.36	0.36
3500	0.37	0.36	0.36
3600	0.37	0.36	0.36
3800	0.37	0.36	0.35
4000	0.37	0.35	0.36
4200	0.37	0.36	0.35
4400	0.37	0.35	0.35
4500	0.37	0.36	0.35
4600	0.36	0.35	0.35
4800	0.36	0.35	0.35
5000	0.37	0.36	0.35
5200	0.33	0.32	0.31
5400	0.36	0.36	0.35
5500	0.37	0.36	0.35
5600	0.36	0.36	0.35
5800	0.37	0.36	0.36
6000	0.37	0.36	0.36
6200	0.37	0.36	0.34
6400	0.37	0.36	0.37
6500	0.38	0.37	0.35
6600	0.37	0.37	0.36
6800	0.37	0.37	0.37
7000	0.39	0.37	0.38
7200	0.39	0.39	0.37
7400	0.41	0.39	0.39
7500	0.39	0.39	0.38
7600	0.41	0.41	0.40
7800	0.41	0.40	0.42
8000	0.44	0.43	0.41
8200	0.45	0.44	0.40
8400	0.11	0.08	0.06

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