

Metal Shield High Pass Filter

RHP-250+

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	91.59	94.13	96.92	0.01	0.00	0.01	0.01	0.01	0.01
1	92.31	94.01	96.32	0.01	0.00	0.00	0.01	0.01	0.01
10	103.41	100.55	91.06	0.00	0.00	0.00	0.00	0.00	0.00
50	91.05	89.51	92.28	0.02	0.02	0.03	0.00	0.02	0.03
100	67.63	67.22	67.56	0.05	0.07	0.09	0.04	0.08	0.10
120	56.79	56.69	56.59	0.08	0.10	0.12	0.08	0.12	0.14
135	49.40	49.32	49.17	0.10	0.14	0.16	0.11	0.15	0.18
180	29.36	29.29	29.17	0.25	0.31	0.34	0.27	0.34	0.39
200	21.10	21.04	20.93	0.41	0.48	0.52	0.44	0.53	0.60
220	13.11	13.05	12.95	0.84	0.96	1.04	0.89	1.03	1.14
240	5.94	5.90	5.85	2.60	2.86	3.06	2.66	2.97	3.20
250	3.31	3.34	3.34	4.93	5.37	5.69	5.02	5.51	5.86
260	1.75	1.84	1.90	9.07	9.73	10.23	9.21	9.94	10.48
290	0.63	0.76	0.84	25.43	24.26	23.56	27.00	25.68	24.92
400	0.32	0.42	0.47	24.12	25.46	25.82	24.11	25.77	26.23
600	0.19	0.30	0.35	30.37	31.19	31.10	29.40	29.95	30.22
1000	0.14	0.30	0.37	30.91	25.02	23.79	31.29	25.38	24.25
1200	0.14	0.32	0.40	31.16	24.02	22.67	31.48	24.14	22.79
1500	0.15	0.37	0.46	28.45	22.36	20.65	27.74	21.83	20.24
1800	0.17	0.43	0.54	24.18	20.49	18.63	23.53	19.80	18.11
2000	0.20	0.48	0.59	21.87	19.42	17.65	21.37	18.79	17.24
2200	0.22	0.52	0.64	20.61	18.51	17.02	20.21	17.92	16.64
2400	0.24	0.56	0.69	19.42	18.02	16.53	18.90	17.38	16.19
2500	0.25	0.58	0.72	19.08	17.70	16.16	18.37	17.04	15.83
2800	0.29	0.64	0.79	17.09	16.92	16.13	16.52	16.32	15.82
3000	0.34	0.70	0.84	16.08	16.28	15.89	15.49	15.71	15.58
3200	0.36	0.75	0.90	15.41	15.83	15.52	14.96	15.31	15.11
3400	0.40	0.81	0.98	15.12	15.30	15.15	14.71	14.79	14.65
3500	0.42	0.83	0.99	14.49	15.22	15.40	14.02	14.67	14.74
3800	0.52	0.93	1.11	13.10	14.39	14.73	12.62	13.93	14.14
4000	0.58	1.02	1.21	12.90	13.90	14.09	12.51	13.49	13.50
4200	0.67	1.13	1.36	12.53	13.50	13.47	12.16	13.14	12.95
4400	1.18	1.70	1.98	12.41	12.98	12.78	12.79	13.67	13.17
4450	1.51	2.03	2.29	12.88	13.48	13.27	13.34	14.31	13.96
4500	1.41	1.90	2.11	14.29	15.10	14.84	13.02	14.12	13.83
4800	0.66	1.23	1.51	14.41	14.44	13.68	14.05	14.20	13.47
5000	0.63	1.23	1.54	14.70	15.03	13.95	14.47	14.95	13.68
5200	0.64	1.27	1.59	15.69	15.75	14.32	15.21	15.26	14.00
5400	0.64	1.27	1.64	16.91	17.02	15.41	16.13	16.73	14.69
5500	0.67	1.30	1.61	17.91	18.18	16.48	16.47	17.29	15.91
5800	0.71	1.39	1.67	19.82	21.22	19.64	17.43	19.68	18.71
6000	0.73	1.38	1.67	19.72	23.24	22.73	18.13	23.13	23.07
6200	0.79	1.43	1.77	21.01	25.30	24.50	20.36	29.28	27.90
6400	0.86	1.62	2.02	19.78	25.54	27.45	22.52	37.36	40.29
6500	1.04	1.81	2.09	19.65	24.14	25.90	22.42	28.87	30.45
6800	2.24	3.26	3.68	15.80	16.52	17.73	17.44	15.87	15.85
7000	4.68	5.78	6.30	10.17	11.08	11.54	9.35	9.38	9.52
7200	3.52	4.46	4.90	9.50	10.51	10.77	8.00	8.77	8.80
7400	2.16	3.10	3.47	10.27	11.74	12.35	8.67	10.14	10.61
7500	2.05	2.87	3.33	10.43	12.28	12.40	8.73	10.57	10.96
7800	1.93	2.69	3.24	11.02	12.26	12.88	9.07	11.21	11.54
8000	1.92	2.77	3.47	11.29	13.24	12.74	9.29	11.24	11.21
8200	2.46	3.17	3.79	11.39	11.89	12.67	8.68	10.02	10.60
8500	2.35	3.27	4.16	11.56	11.59	12.08	8.92	9.61	9.49

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RHP-250+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
400	2.05	2.04	2.03
410	1.95	1.93	1.93
420	1.85	1.84	1.83
450	1.61	1.60	1.59
500	1.33	1.32	1.31
600	0.99	0.98	0.98
700	0.80	0.80	0.79
800	0.69	0.68	0.68
900	0.61	0.60	0.60
1000	0.56	0.55	0.55
1200	0.49	0.48	0.48
1400	0.45	0.44	0.43
1500	0.44	0.42	0.42
1700	0.42	0.41	0.40
1800	0.41	0.40	0.39
2000	0.39	0.38	0.38
2200	0.39	0.37	0.37
2400	0.38	0.37	0.36
2500	0.37	0.36	0.36
2700	0.37	0.36	0.35
2800	0.37	0.36	0.36
3000	0.36	0.36	0.35
3150	0.36	0.35	0.35
3200	0.36	0.35	0.35
3400	0.37	0.35	0.35
3500	0.36	0.35	0.35
3700	0.36	0.35	0.35
3800	0.36	0.35	0.35
4000	0.36	0.35	0.35
4200	0.37	0.36	0.36
4400	0.30	0.28	0.27
4500	0.24	0.24	0.24
4700	0.38	0.37	0.36
4800	0.37	0.36	0.35
5000	0.36	0.35	0.36
5200	0.36	0.35	0.35
5400	0.37	0.36	0.35
5500	0.37	0.35	0.34
5700	0.37	0.36	0.35
5800	0.37	0.36	0.36
6000	0.38	0.37	0.37
6200	0.38	0.38	0.38
6400	0.40	0.40	0.38
6500	0.39	0.40	0.40
6700	0.42	0.42	0.42
6800	0.40	0.38	0.37
7000	0.08	0.05	0.04
7200	0.31	0.31	0.30
7400	0.43	0.41	0.42
7500	0.41	0.41	0.41
7800	0.41	0.42	0.39
8000	0.42	0.40	0.38
8200	0.39	0.40	0.38
8500	0.43	0.70	0.54

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