

Metal Shield High Pass Filter

RHP-395+

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	95.67	90.25	102.79	0.002	0.004	0.004	0.013	0.013	0.011
1	95.23	90.62	102.80	0.002	0.004	0.004	0.012	0.012	0.010
50	94.70	92.69	91.12	0.01	0.01	0.02	0.01	0.01	0.03
100	84.60	84.39	85.78	0.02	0.03	0.04	0.00	0.04	0.06
210	50.48	50.37	50.29	0.09	0.12	0.15	0.08	0.14	0.18
280	31.01	30.95	30.84	0.21	0.26	0.29	0.21	0.29	0.35
290	28.34	28.28	28.17	0.23	0.29	0.33	0.24	0.33	0.39
320	20.38	20.30	20.16	0.38	0.45	0.51	0.41	0.52	0.60
350	12.44	12.34	12.18	0.83	0.96	1.06	0.89	1.07	1.20
370	7.43	7.35	7.22	1.83	2.06	2.25	1.94	2.23	2.48
395	2.78	2.83	2.82	5.67	6.19	6.69	5.94	6.59	7.19
410	1.41	1.53	1.59	10.47	11.22	11.97	11.02	12.05	13.08
470	0.55	0.70	0.79	20.23	20.19	20.13	20.49	20.50	20.48
650	0.31	0.45	0.54	20.52	19.37	18.46	20.52	19.53	18.72
1000	0.23	0.36	0.45	19.12	19.98	20.86	19.02	19.81	20.54
1500	0.16	0.35	0.47	25.35	32.29	31.49	25.17	32.15	31.23
2250	0.18	0.44	0.62	30.19	26.02	22.48	35.03	28.93	23.99
2750	0.19	0.50	0.71	27.49	26.02	24.48	29.95	28.38	25.76
2800	0.20	0.52	0.72	27.39	26.14	24.96	29.39	28.14	25.99
2900	0.20	0.52	0.74	26.83	26.26	25.77	28.54	28.00	26.47
3000	0.21	0.54	0.77	27.48	26.48	25.99	28.83	27.72	26.11
3200	0.22	0.57	0.81	27.70	26.65	26.94	27.48	26.91	26.12
3400	0.24	0.61	0.87	26.44	26.33	27.09	25.53	25.97	25.66
3500	0.23	0.62	0.89	26.51	25.96	26.30	25.53	25.46	24.76
3700	0.25	0.66	0.95	24.90	24.39	24.99	24.17	24.30	24.64
3800	0.27	0.68	0.97	24.77	23.63	23.44	23.91	23.57	23.16
4000	0.30	0.73	1.04	21.17	21.53	21.62	20.63	21.79	21.96
4200	0.35	0.79	1.12	19.12	19.42	19.60	18.76	19.72	20.31
4400	0.40	0.88	1.22	17.25	17.45	17.53	17.08	17.89	18.53
4500	0.44	0.92	1.29	16.61	16.68	16.44	16.50	17.25	17.26
4700	0.51	1.01	1.41	15.56	15.39	14.88	15.73	15.94	15.58
4800	0.54	1.09	1.49	15.19	14.91	14.25	15.10	15.02	14.77
5000	0.64	1.19	1.67	14.73	13.87	13.31	15.25	14.49	13.72
5200	1.08	1.73	2.24	12.93	12.33	11.79	17.04	15.83	15.14
5400	0.73	1.36	1.80	14.67	13.84	13.11	15.29	14.78	14.12
5500	0.67	1.24	1.78	14.96	14.14	13.25	15.12	14.51	13.89
5700	0.65	1.30	1.78	15.83	14.34	13.67	15.85	14.55	13.95
5800	0.61	1.28	1.85	15.66	14.94	14.21	15.46	15.29	14.33
6000	0.66	1.27	1.78	15.76	15.77	15.15	15.35	15.75	15.56
6200	0.70	1.33	1.86	15.75	16.49	16.30	15.20	16.74	16.70
6400	0.73	1.33	1.94	16.83	17.87	18.16	15.82	18.12	18.70
6500	0.74	1.36	2.02	16.35	18.39	19.26	15.59	18.69	19.54
6700	0.80	1.42	1.93	16.60	19.94	22.29	15.74	20.85	25.46
6800	0.76	1.49	2.00	17.80	20.80	23.23	16.89	22.49	27.43
7000	0.75	1.55	2.14	20.83	23.90	26.89	21.49	27.31	41.28
7200	0.93	1.70	2.32	24.65	26.42	27.46	25.03	29.91	29.41
7400	1.03	1.87	2.60	32.35	27.30	25.08	34.09	25.46	21.67
7500	1.12	2.06	2.77	38.60	31.28	24.66	24.52	23.01	20.11
7700	1.63	2.51	3.39	37.77	34.04	29.37	17.12	18.34	17.47
7800	2.21	3.16	4.01	26.87	30.75	40.89	14.02	15.77	16.18
8000	5.42	6.38	7.64	14.09	15.50	16.55	7.86	9.81	10.45
8200	4.38	5.22	5.97	8.70	9.59	10.16	5.57	7.09	8.08
8400	3.14	4.15	5.02	9.01	9.42	10.27	6.46	7.29	8.32
8500	3.33	4.19	4.97	9.59	9.06	9.97	6.63	7.22	8.13

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
650	1.33	1.32	1.31
700	1.16	1.15	1.14
800	0.94	0.93	0.92
900	0.80	0.79	0.79
1000	0.71	0.70	0.69
1200	0.59	0.58	0.58
1400	0.52	0.51	0.51
1500	0.50	0.49	0.49
1600	0.48	0.47	0.46
1700	0.46	0.45	0.45
1800	0.45	0.44	0.43
2000	0.43	0.42	0.42
2200	0.41	0.40	0.40
2250	0.41	0.40	0.40
2400	0.40	0.39	0.39
2500	0.40	0.39	0.38
2600	0.39	0.38	0.38
2700	0.39	0.38	0.38
2750	0.39	0.38	0.38
2800	0.39	0.38	0.37
3000	0.38	0.37	0.37
3200	0.38	0.37	0.36
3400	0.38	0.36	0.36
3500	0.38	0.36	0.36
3700	0.37	0.36	0.36
3800	0.37	0.36	0.36
4000	0.37	0.36	0.36
4200	0.37	0.36	0.36
4400	0.37	0.36	0.35
4500	0.37	0.35	0.36
4700	0.36	0.36	0.35
4800	0.36	0.35	0.35
5000	0.37	0.36	0.35
5200	0.30	0.28	0.27
5400	0.37	0.37	0.36
5500	0.37	0.37	0.35
5700	0.37	0.36	0.35
5800	0.37	0.35	0.35
6000	0.37	0.36	0.36
6100	0.36	0.37	0.35
6200	0.37	0.35	0.35
6400	0.35	0.36	0.37
6500	0.36	0.37	0.36
6700	0.37	0.37	0.37
6800	0.38	0.37	0.37
7000	0.39	0.37	0.38
7100	0.38	0.38	0.38
7200	0.39	0.39	0.38
7400	0.41	0.40	0.38
7500	0.41	0.41	0.39
7600	0.43	0.43	0.44
7700	0.47	0.44	0.43
7800	0.43	0.46	0.47
7900	0.43	0.45	0.39

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