

Metal Shield High Pass Filter

RHP-755+

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	82.41	77.71	81.02	0.0003	0.003	0.002	0.015	0.017	0.014
1	82.07	78.85	81.51	0.0004	0.003	0.002	0.014	0.016	0.013
10	86.41	92.51	91.89	0.004	0.001	0.002	0.003	0.003	0.001
50	76.99	78.37	81.50	0.004	0.008	0.011	0.003	0.014	0.027
100	83.41	84.17	86.23	0.01	0.02	0.03	0.01	0.03	0.05
200	72.92	71.66	72.91	0.02	0.05	0.06	0.01	0.06	0.10
300	60.01	59.72	59.87	0.05	0.08	0.11	0.04	0.11	0.16
350	54.17	53.99	54.06	0.07	0.11	0.14	0.06	0.13	0.20
400	48.02	48.17	48.02	0.09	0.13	0.16	0.08	0.17	0.23
500	35.72	35.72	35.69	0.16	0.21	0.24	0.16	0.26	0.33
550	29.39	29.37	29.30	0.21	0.27	0.31	0.23	0.33	0.41
600	22.95	22.90	22.77	0.29	0.36	0.41	0.33	0.45	0.54
700	9.85	9.71	9.50	1.08	1.24	1.39	1.26	1.53	1.77
755	3.79	3.78	3.69	3.76	4.16	4.58	4.30	4.97	5.65
800	1.42	1.58	1.67	9.20	9.63	10.07	10.74	11.83	12.95
900	0.72	0.90	1.02	13.48	13.65	13.84	14.18	14.38	14.51
1000	0.54	0.69	0.79	15.54	16.58	17.86	15.86	17.01	18.24
1200	0.34	0.52	0.65	21.94	21.56	20.97	23.20	23.77	23.78
1400	0.33	0.52	0.66	18.19	18.06	17.82	18.48	18.35	18.05
1500	0.33	0.52	0.67	17.47	17.79	18.03	17.59	17.70	17.66
1700	0.32	0.51	0.65	17.83	19.11	20.65	17.71	18.40	18.84
1800	0.29	0.49	0.64	18.54	20.64	23.25	18.17	19.38	20.02
2000	0.26	0.48	0.64	20.82	24.86	33.38	20.19	22.63	24.16
2200	0.28	0.52	0.67	22.02	26.95	27.60	22.28	29.71	32.28
2400	0.28	0.53	0.73	21.77	22.51	21.45	24.00	31.67	29.73
2500	0.26	0.53	0.75	20.73	20.61	19.44	24.06	28.26	26.50
2700	0.29	0.57	0.81	18.77	18.31	17.27	21.68	23.22	21.74
2800	0.30	0.59	0.84	18.15	17.58	16.50	20.76	21.70	20.26
3000	0.33	0.65	0.90	16.92	16.68	15.86	18.65	19.39	18.46
3200	0.33	0.68	0.96	17.38	16.28	15.33	18.81	18.49	17.48
3400	0.34	0.70	0.99	17.14	16.33	15.70	17.99	18.08	17.62
3500	0.34	0.72	1.02	17.76	16.48	15.47	18.66	18.04	17.01
3700	0.35	0.73	1.05	17.75	16.58	16.01	18.48	18.06	17.95
3800	0.35	0.74	1.07	18.04	16.66	15.90	18.69	17.98	17.49
4000	0.38	0.79	1.13	17.43	16.63	16.16	17.89	17.87	17.83
4200	0.40	0.83	1.20	16.72	16.46	16.35	17.07	17.43	17.63
4400	0.43	0.87	1.23	16.25	16.25	16.46	16.58	16.94	17.41
4500	0.44	0.88	1.24	16.09	16.20	16.31	16.49	16.90	17.29
4700	0.54	0.96	1.33	15.40	16.23	16.33	15.85	16.73	16.93
4800	0.51	0.97	1.39	15.97	15.98	16.13	16.35	16.33	16.48
5000	0.49	0.99	1.41	17.34	16.41	16.36	17.21	16.54	16.33
5200	0.56	1.06	1.49	17.44	16.96	16.83	17.04	16.89	17.04
5400	0.54	1.07	1.58	19.35	18.44	17.91	19.08	18.32	17.40
5500	0.53	1.10	1.53	20.40	19.27	18.88	20.32	19.36	18.29
5700	0.52	1.07	1.58	23.21	22.00	20.90	22.93	21.91	19.82
5800	0.49	1.09	1.57	25.00	24.05	22.37	25.25	23.36	20.76
6000	0.54	1.13	1.66	30.72	28.06	23.82	27.32	25.33	22.06
6200	0.54	1.17	1.72	34.05	26.00	22.90	29.16	25.20	23.00
6400	0.59	1.20	1.79	25.32	22.80	22.23	24.17	23.19	22.38
6500	0.69	1.27	1.86	25.18	22.29	21.36	21.21	21.68	21.73
7000	0.78	1.45	2.11	17.95	19.61	21.25	16.73	20.00	23.80
7500	1.06	1.86	2.53	16.22	18.46	19.69	20.04	23.52	23.80
8000	1.43	2.16	3.07	26.05	31.01	29.29	18.65	20.25	19.86
8500	1.39	2.30	3.09	21.70	29.02	26.82	12.83	15.41	18.82

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
1200	0.93	0.91	0.91
1300	0.82	0.80	0.80
1400	0.74	0.72	0.72
1500	0.67	0.66	0.66
1600	0.63	0.62	0.62
1700	0.59	0.58	0.58
1800	0.56	0.55	0.55
1900	0.54	0.53	0.53
2000	0.52	0.51	0.51
2100	0.50	0.49	0.49
2200	0.49	0.48	0.48
2300	0.48	0.46	0.46
2400	0.46	0.45	0.45
2500	0.45	0.44	0.44
2600	0.44	0.43	0.43
2700	0.44	0.42	0.42
2800	0.43	0.42	0.41
2900	0.42	0.41	0.41
3000	0.41	0.41	0.40
3200	0.41	0.40	0.39
3300	0.41	0.39	0.39
3400	0.40	0.39	0.39
3500	0.40	0.39	0.38
3600	0.40	0.38	0.38
3700	0.39	0.38	0.38
3800	0.39	0.38	0.38
3900	0.39	0.38	0.38
4000	0.39	0.38	0.37
4200	0.38	0.37	0.37
4300	0.38	0.37	0.37
4400	0.38	0.37	0.37
4500	0.38	0.37	0.37
4600	0.38	0.37	0.37
4700	0.38	0.36	0.36
4800	0.38	0.36	0.36
4900	0.38	0.36	0.36
5000	0.38	0.36	0.36
5200	0.37	0.36	0.36
5300	0.38	0.37	0.37
5400	0.37	0.36	0.36
5500	0.37	0.36	0.37
5600	0.38	0.37	0.36
5700	0.37	0.35	0.36
5800	0.38	0.37	0.36
5900	0.37	0.36	0.36
6000	0.37	0.36	0.36
6200	0.38	0.35	0.36
6300	0.38	0.37	0.37
6400	0.38	0.36	0.35
6500	0.37	0.36	0.35
7000	0.37	0.36	0.37
7500	0.40	0.40	0.39
8000	0.42	0.41	0.41
8500	0.47	0.27	0.61

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