

Metal Shield High Pass Filter

RHP-290+

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	94.94	96.97	88.20	0.01	0.01	0.01	0.001	0.0002	0.001
1	95.06	96.71	89.34	0.01	0.01	0.01	0.001	0.0002	0.001
50	101.09	101.78	94.98	0.01	0.02	0.03	0.001	0.02	0.04
100	72.35	71.56	71.09	0.04	0.06	0.08	0.03	0.06	0.09
150	50.24	50.16	50.12	0.11	0.14	0.17	0.10	0.15	0.18
210	27.94	27.88	27.78	0.28	0.33	0.37	0.27	0.35	0.41
225	22.80	22.73	22.62	0.37	0.43	0.48	0.37	0.46	0.52
270	8.14	8.08	7.97	1.66	1.85	2.02	1.72	1.96	2.16
290	3.34	3.37	3.36	4.79	5.18	5.55	4.96	5.42	5.87
300	1.95	2.03	2.07	7.87	8.39	8.91	8.15	8.79	9.42
325	0.73	0.86	0.96	20.86	21.46	22.01	22.91	24.37	25.83
400	0.39	0.50	0.58	25.57	27.01	28.71	25.87	27.36	29.20
430	0.33	0.44	0.52	35.29	34.75	31.99	43.56	45.65	36.15
500	0.29	0.40	0.48	21.97	20.91	19.91	22.09	21.15	20.21
600	0.27	0.38	0.46	17.88	17.49	17.14	17.74	17.42	17.11
750	0.25	0.36	0.43	17.16	17.53	17.89	17.01	17.38	17.70
900	0.22	0.33	0.40	17.97	19.08	20.36	17.79	18.82	19.96
1000	0.21	0.32	0.40	18.62	20.44	22.65	18.52	20.25	22.20
1100	0.19	0.31	0.40	19.46	22.01	25.34	19.36	21.77	24.67
1500	0.16	0.33	0.45	24.87	31.00	30.54	24.98	32.10	32.64
1800	0.16	0.37	0.52	29.94	31.73	25.90	31.02	37.72	27.20
2000	0.17	0.39	0.55	35.36	29.54	25.01	42.09	32.57	26.40
2100	0.17	0.40	0.57	35.44	28.92	25.00	45.77	31.45	26.19
2500	0.19	0.46	0.66	32.01	28.78	27.02	33.31	30.51	27.82
2800	0.21	0.51	0.73	30.56	29.01	29.32	31.25	29.93	28.59
3000	0.23	0.54	0.77	29.42	28.39	29.41	29.30	28.20	27.18
3100	0.23	0.55	0.80	26.74	27.74	29.42	26.09	27.06	26.62
3200	0.24	0.57	0.83	25.84	27.11	28.42	24.81	25.85	25.30
3500	0.27	0.63	0.91	25.46	25.12	25.73	23.99	23.67	22.99
3800	0.31	0.70	1.01	22.95	23.14	23.17	21.73	22.53	21.92
4000	0.35	0.76	1.08	21.79	21.85	21.82	21.08	21.61	21.57
4100	0.37	0.79	1.12	20.99	21.13	21.19	20.51	21.12	21.33
4200	0.40	0.84	1.17	20.70	20.23	20.16	20.65	20.69	20.54
4500	0.93	1.38	1.75	21.66	21.09	20.58	16.82	17.85	18.63
4800	0.51	1.01	1.42	18.24	17.93	17.33	18.61	18.56	18.31
5000	0.54	1.06	1.50	17.87	16.75	16.25	17.99	17.26	16.90
5100	0.56	1.10	1.53	16.88	16.41	15.85	16.79	16.77	16.69
5200	0.61	1.17	1.61	16.52	16.05	15.60	16.28	16.34	16.25
5500	0.64	1.23	1.71	16.13	15.52	14.94	15.84	15.76	15.18
5800	0.70	1.32	1.89	16.95	16.31	15.20	16.96	16.40	15.18
6000	0.78	1.41	1.94	16.98	16.64	15.71	16.45	16.40	15.75
6100	0.82	1.58	1.98	17.23	16.92	16.26	16.85	16.92	16.23
6200	0.83	1.53	2.08	17.43	16.62	16.40	17.06	16.81	16.22
6500	1.13	1.87	2.42	16.58	17.36	17.78	16.31	17.31	17.51
6800	3.31	4.05	4.68	20.03	19.93	20.18	14.63	15.76	17.08
7000	4.51	5.23	5.83	11.11	11.60	12.33	11.73	13.25	14.54
7100	4.93	5.55	6.08	11.06	11.31	12.14	11.31	11.95	12.83
7200	3.74	4.49	5.09	11.87	11.99	12.29	12.01	12.29	12.77
7500	1.59	2.47	3.14	15.04	15.01	15.02	14.30	14.25	13.84
7800	1.40	2.31	3.16	15.18	15.27	15.09	13.84	14.25	13.74
8000	1.58	2.49	3.27	13.70	14.38	14.32	12.41	12.77	12.76
8100	1.57	2.54	3.35	13.25	13.73	14.37	11.93	11.97	12.30
8200	1.72	2.66	3.65	12.81	13.38	13.57	11.32	11.86	11.76
8500	2.19	2.96	3.74	12.39	12.69	12.95	10.21	10.50	10.93

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Page 1 of 2



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RHP-290+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
430	2.11	2.10	2.09
440	2.00	1.99	1.98
450	1.90	1.89	1.88
500	1.53	1.51	1.51
600	1.10	1.09	1.09
700	0.88	0.87	0.86
750	0.80	0.79	0.79
800	0.74	0.73	0.73
900	0.65	0.64	0.64
1000	0.59	0.58	0.58
1200	0.51	0.51	0.50
1400	0.47	0.46	0.46
1500	0.45	0.44	0.44
1700	0.43	0.42	0.41
1800	0.42	0.41	0.41
2000	0.40	0.39	0.39
2200	0.39	0.38	0.38
2400	0.38	0.37	0.37
2500	0.38	0.37	0.37
2700	0.38	0.37	0.36
2800	0.38	0.37	0.36
3000	0.37	0.36	0.36
3100	0.37	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
3700	0.37	0.36	0.35
3800	0.37	0.36	0.35
4000	0.37	0.35	0.35
4200	0.37	0.36	0.36
4400	0.36	0.35	0.34
4500	0.30	0.28	0.29
4700	0.37	0.37	0.36
4800	0.37	0.36	0.36
5000	0.37	0.36	0.36
5200	0.37	0.36	0.35
5400	0.36	0.36	0.36
5500	0.37	0.36	0.35
5700	0.37	0.35	0.36
5800	0.38	0.36	0.36
6000	0.38	0.36	0.37
6200	0.39	0.39	0.37
6400	0.40	0.39	0.40
6500	0.43	0.40	0.41
6700	0.43	0.41	0.39
7000	0.18	0.19	0.19
7200	0.25	0.24	0.25
7400	0.45	0.43	0.43
7500	0.44	0.42	0.43
7700	0.40	0.40	0.41
8000	0.41	0.39	0.37
8200	0.40	0.39	0.37
8400	0.44	0.39	0.38
8500	0.38	0.41	0.17

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Page 2 of 2



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