

Metal Shield Low Pass Filter

RLP-120+

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	0.10	0.14	0.17	37.62	35.21	33.43	36.14	34.38	32.92
50	0.34	0.40	0.44	31.71	32.16	32.41	41.22	37.67	36.74
60	0.40	0.46	0.52	29.25	29.29	29.12	31.57	30.85	30.10
70	0.47	0.55	0.61	23.35	23.47	23.53	23.52	23.56	23.56
80	0.55	0.64	0.70	21.45	21.69	21.95	21.30	21.58	21.87
90	0.61	0.71	0.79	23.41	23.78	24.25	23.02	23.47	24.03
100	0.68	0.80	0.90	37.29	37.96	38.49	34.05	34.35	34.79
110	0.82	0.97	1.08	29.31	29.19	28.91	31.32	31.20	30.88
120	1.08	1.28	1.44	23.75	23.13	22.53	29.70	30.08	30.39
128	1.73	2.02	2.28	12.46	12.02	11.51	13.30	12.93	12.42
130	2.27	2.60	2.90	10.22	9.90	9.49	10.87	10.60	10.21
132	2.81	3.18	3.53	7.99	7.77	7.48	8.43	8.27	8.00
135	4.04	4.46	4.87	5.48	5.38	5.22	5.74	5.70	5.57
140	6.89	7.37	7.83	2.85	2.88	2.87	2.99	3.06	3.07
150	14.23	14.69	15.15	1.05	1.14	1.20	1.10	1.22	1.30
160	21.57	21.98	22.40	0.63	0.72	0.77	0.65	0.76	0.84
170	28.40	28.76	29.15	0.48	0.55	0.61	0.48	0.58	0.65
180	34.88	35.21	35.58	0.40	0.47	0.52	0.40	0.49	0.55
190	41.24	41.56	41.91	0.35	0.41	0.46	0.34	0.43	0.49
200	47.77	48.12	48.50	0.31	0.37	0.41	0.29	0.38	0.44
205	51.26	51.64	52.02	0.29	0.35	0.39	0.28	0.36	0.42
300	66.14	66.17	66.16	0.15	0.20	0.24	0.12	0.20	0.27
400	69.94	69.88	70.38	0.10	0.16	0.21	0.06	0.16	0.23
500	72.17	72.52	72.36	0.08	0.15	0.21	0.04	0.15	0.23
600	74.04	74.36	74.91	0.08	0.15	0.22	0.02	0.15	0.24
700	77.80	78.10	77.56	0.07	0.15	0.23	0.01	0.15	0.26
800	80.65	80.96	82.30	0.08	0.17	0.25	0.01	0.17	0.29
900	86.58	84.40	87.00	0.08	0.18	0.27	0.01	0.18	0.31
1000	84.71	84.87	85.80	0.09	0.19	0.30	0.01	0.20	0.34
1200	69.83	70.58	69.97	0.11	0.23	0.35	0.02	0.23	0.39
1500	52.04	52.37	52.79	0.13	0.27	0.41	0.04	0.29	0.47
1800	37.70	37.55	37.00	0.22	0.38	0.55	0.07	0.35	0.57
2000	54.83	55.64	56.12	0.18	0.34	0.48	0.06	0.33	0.55
2200	58.07	57.56	56.70	0.19	0.36	0.51	0.06	0.36	0.58
2800	53.22	47.75	56.49	0.21	0.38	0.52	0.05	0.40	0.61
3000	53.15	51.63	52.60	0.21	0.38	0.53	0.03	0.38	0.63
3200	50.70	51.79	53.55	0.20	0.37	0.53	0.04	0.38	0.63
3800	43.82	44.94	44.90	0.22	0.40	0.56	0.02	0.45	0.72
4000	44.24	46.58	40.84	0.23	0.43	0.64	0.01	0.44	0.77
4200	40.07	40.19	37.88	0.26	0.49	0.66	0.03	0.49	0.80
4400	39.58	40.94	39.34	0.27	0.50	0.68	0.03	0.52	0.86
4800	36.24	36.06	35.81	0.38	0.74	1.06	0.14	0.66	1.05
5000	27.03	27.52	27.72	2.03	1.23	1.49	0.45	0.96	1.46
5200	26.86	28.50	31.38	0.52	0.83	1.06	0.90	1.43	1.79
5800	23.23	28.16	32.75	0.76	0.87	1.12	1.79	1.55	1.78
6000	33.67	33.58	42.00	0.58	0.92	1.34	0.46	0.96	1.54
6200	34.81	38.94	36.16	0.56	0.94	1.19	0.36	0.89	1.41
6800	32.95	34.78	32.87	0.70	1.08	1.48	0.36	1.09	1.70
7000	27.89	27.53	28.05	0.84	1.30	1.82	0.33	1.26	1.89
7200	22.16	20.92	20.97	1.11	2.11	2.76	0.63	1.80	2.74
7800	30.12	32.57	31.72	1.64	1.81	2.42	0.75	1.45	2.24
8000	32.24	38.09	39.33	1.07	1.51	1.95	0.41	1.31	2.03
8200	41.03	45.96	40.92	0.91	1.43	1.94	0.28	1.28	2.11
8500	25.93	29.33	32.52	1.37	1.42	1.66	0.61	1.26	1.92

REV. X2
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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	6.15	6.18	6.18
10	6.10	6.12	6.13
15	6.09	6.11	6.13
20	6.11	6.13	6.15
25	6.16	6.18	6.20
30	6.22	6.24	6.26
35	6.31	6.33	6.35
40	6.41	6.43	6.45
45	6.54	6.56	6.59
50	6.72	6.74	6.77
55	6.96	6.99	7.02
60	7.30	7.33	7.37
65	7.77	7.81	7.85
70	8.18	8.20	8.24
75	8.57	8.58	8.61
80	8.85	8.85	8.87
85	9.02	9.01	9.02
90	9.11	9.09	9.09
95	9.13	9.10	9.10
100	9.10	9.08	9.06
105	9.04	9.01	9.00
110	8.96	8.93	8.91
116	8.83	8.79	8.77
118	8.78	8.74	8.72
120	8.72	8.69	8.66
122	8.67	8.63	8.60
124	8.61	8.57	8.54
126	8.54	8.50	8.48
130	8.41	8.37	8.34
132	8.34	8.30	8.27
134	8.27	8.23	8.20
136	8.20	8.15	8.12
140	8.04	7.99	7.96
150	7.56	7.52	7.45
156	7.17	7.08	6.99
160	6.78	6.65	6.53
162	6.19	6.06	5.90
164	5.61	5.46	5.27
166	5.00	4.87	4.68
170	3.75	3.66	3.63
172	3.43	3.35	3.34
174	3.19	3.12	3.12
176	2.97	2.91	2.91
180	2.65	2.60	2.59
182	2.49	2.44	2.42
184	2.32	2.27	2.25
186	2.15	2.11	2.07
190	1.80	1.75	1.70
192	1.62	1.56	1.50
194	1.39	1.35	1.30
196	1.17	1.14	1.09
200	0.71	0.67	0.63
202	0.48	0.43	0.39
204	0.24	0.20	0.16
205	0.12	0.09	0.05

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