

Metal Shield Low Pass Filter

RLP-105+

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	0.13	0.17	0.19	38.25	35.81	33.87	38.21	35.74	33.83
10	0.15	0.19	0.22	31.35	30.29	29.35	31.50	30.33	29.28
50	0.37	0.43	0.47	33.21	32.22	31.25	37.82	36.71	35.68
75	0.56	0.65	0.71	30.91	30.20	29.53	31.27	30.80	30.44
85	0.66	0.77	0.85	31.87	31.40	30.77	31.40	31.14	30.91
100	0.95	1.10	1.22	22.62	22.70	22.69	21.48	21.62	21.69
105	1.11	1.29	1.43	29.48	29.32	28.85	23.54	23.56	23.44
112	1.81	2.08	2.33	16.17	15.56	14.80	15.00	14.52	13.91
116	2.85	3.21	3.56	8.57	8.40	8.08	8.36	8.18	7.88
120	4.98	5.44	5.89	4.61	4.62	4.52	4.54	4.54	4.43
126	9.85	10.35	10.87	1.93	2.04	2.08	1.92	2.02	2.05
145	27.58	28.03	28.54	0.59	0.70	0.76	0.61	0.70	0.75
165	47.06	47.51	48.20	0.40	0.49	0.53	0.42	0.49	0.53
180	70.94	69.50	69.31	0.32	0.40	0.44	0.35	0.41	0.44
300	85.22	84.43	83.54	0.10	0.17	0.20	0.14	0.18	0.20
500	75.54	75.61	75.16	0.02	0.11	0.14	0.07	0.12	0.13
700	84.50	85.69	83.34	0.01	0.12	0.16	0.07	0.13	0.15
750	101.88	90.07	101.36	0.01	0.12	0.17	0.07	0.13	0.15
800	88.10	86.12	104.33	0.01	0.13	0.17	0.08	0.14	0.16
900	82.03	81.26	83.78	0.02	0.14	0.19	0.09	0.16	0.17
1000	80.45	80.52	78.50	0.03	0.16	0.21	0.10	0.17	0.20
1200	52.20	52.25	52.22	0.05	0.19	0.25	0.12	0.20	0.23
1400	36.37	35.93	35.07	0.15	0.33	0.43	0.17	0.26	0.31
1500	47.39	47.57	48.06	0.07	0.23	0.30	0.15	0.24	0.27
1600	54.52	54.95	54.68	0.06	0.23	0.31	0.15	0.24	0.28
1800	61.79	61.90	62.50	0.07	0.25	0.34	0.15	0.25	0.30
2000	67.39	66.34	64.31	0.06	0.26	0.37	0.16	0.26	0.31
2200	50.81	51.60	53.74	0.06	0.27	0.39	0.17	0.28	0.34
2400	55.59	56.15	55.10	0.04	0.27	0.40	0.16	0.28	0.36
2500	59.80	59.67	60.39	0.02	0.26	0.40	0.15	0.28	0.36
2600	64.74	65.41	63.86	0.01	0.26	0.42	0.16	0.29	0.38
2800	49.83	49.95	49.36	0.02	0.29	0.48	0.17	0.32	0.42
3000	53.41	57.86	54.10	0.02	0.31	0.51	0.18	0.34	0.45
3200	47.58	47.99	48.38	0.01	0.32	0.52	0.19	0.35	0.48
3400	46.90	46.49	46.10	0.00	0.32	0.55	0.21	0.39	0.51
3500	47.23	47.35	46.80	0.05	0.38	0.59	0.25	0.42	0.55
3600	54.87	50.77	62.91	0.05	0.38	0.61	0.23	0.43	0.55
3800	47.37	47.21	45.99	0.07	0.40	0.63	0.27	0.44	0.56
4000	43.68	42.47	44.01	0.10	0.43	0.65	0.32	0.49	0.63
4200	42.18	42.42	44.90	0.09	0.43	0.67	0.31	0.50	0.61
4400	44.11	43.37	44.27	0.08	0.43	0.66	0.31	0.49	0.60
4500	41.94	42.37	42.73	0.11	0.48	0.71	0.35	0.53	0.62
4600	46.49	45.36	43.87	0.09	0.47	0.72	0.36	0.54	0.66
4800	43.16	43.51	43.68	0.17	0.61	0.96	0.42	0.88	1.13
5000	50.08	42.54	38.24	1.31	3.82	3.17	0.50	0.63	0.77
5200	35.32	34.13	32.26	0.37	0.70	0.95	0.35	0.63	0.88
5400	30.14	28.96	26.88	0.12	0.57	0.90	0.60	0.98	1.54
5500	27.95	24.78	24.20	0.11	0.64	0.99	0.72	1.61	2.11
5600	22.31	21.98	25.48	0.23	0.75	0.89	1.58	2.39	1.50
5800	23.08	26.98	29.39	0.11	0.52	0.84	0.92	0.85	0.90
6000	27.74	29.43	30.89	0.03	0.51	0.90	0.42	0.65	0.83
7000	25.00	24.03	23.35	0.43	1.26	2.10	0.59	0.89	1.20
7500	12.89	16.16	18.49	7.91	4.18	3.67	1.44	2.01	2.50
8000	32.89	32.46	31.62	0.64	1.21	1.73	1.32	1.42	1.46

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Metal Shield Low Pass Filter

RLP-105+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	6.41	6.44	6.47
10	6.41	6.43	6.46
15	6.43	6.46	6.48
20	6.48	6.50	6.53
25	6.56	6.58	6.61
30	6.67	6.69	6.71
35	6.81	6.83	6.85
40	6.99	7.02	7.04
45	7.25	7.27	7.30
50	7.60	7.63	7.66
55	8.16	8.19	8.24
60	9.02	9.05	9.09
65	9.50	9.51	9.53
70	9.77	9.76	9.77
75	9.91	9.89	9.89
80	9.96	9.94	9.93
85	9.94	9.92	9.90
90	9.88	9.85	9.83
95	9.79	9.75	9.72
96	9.76	9.73	9.70
97	9.74	9.70	9.67
98	9.71	9.67	9.64
99	9.68	9.64	9.61
100	9.66	9.61	9.58
102	9.59	9.54	9.51
104	9.52	9.47	9.43
105	9.49	9.43	9.39
106	9.45	9.39	9.34
108	9.34	9.28	9.21
110	9.24	9.17	9.09
112	9.06	8.98	8.86
114	8.86	8.76	8.61
116	8.51	8.39	8.20
120	6.91	6.74	6.48
122	6.31	6.19	5.99
124	5.77	5.72	5.62
126	5.33	5.34	5.30
130	5.07	5.03	5.02
132	4.93	4.90	4.88
134	4.80	4.78	4.75
136	4.67	4.66	4.63
140	4.47	4.40	4.41
142	4.34	4.29	4.28
144	4.21	4.18	4.15
146	4.09	4.08	4.02
150	3.84	3.83	3.78
154	3.59	3.52	3.50
156	3.46	3.37	3.35
160	3.13	3.11	3.08
166	2.69	2.64	2.58
168	2.50	2.44	2.37
170	2.32	2.25	2.16
175	1.65	1.61	1.53
180	1.08	1.01	0.85
185	0.32	0.32	0.14

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