

Metal Shield Low Pass Filter

RLP-30+

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	0.39	0.52	0.61	27.26	24.83	23.46	27.30	24.85	23.48
10	0.47	0.60	0.69	19.03	18.77	18.62	19.26	19.09	18.92
15	0.52	0.63	0.73	20.63	20.61	20.65	20.98	21.04	21.10
20	0.56	0.69	0.78	29.94	30.90	31.87	29.68	29.47	29.31
25	0.70	0.85	0.96	28.88	28.70	28.23	26.10	25.09	24.30
30	0.90	1.07	1.19	30.61	30.95	30.96	26.72	26.12	25.68
36	1.52	1.78	1.96	28.50	27.91	27.67	32.40	31.61	31.30
37	1.78	2.08	2.29	21.18	20.72	20.49	22.74	22.16	21.87
39	3.21	3.69	4.02	9.43	9.28	9.20	9.84	9.68	9.60
40	4.92	5.53	5.95	5.89	5.90	5.92	6.15	6.17	6.19
42	10.67	11.39	11.92	2.51	2.69	2.82	2.64	2.84	2.97
45	21.36	22.08	22.61	1.28	1.46	1.60	1.35	1.54	1.68
47	28.54	29.25	29.76	1.04	1.20	1.32	1.09	1.27	1.38
53	49.33	50.18	50.51	0.71	0.84	0.92	0.74	0.86	0.95
80	49.97	50.04	50.03	0.31	0.38	0.41	0.31	0.39	0.42
100	53.51	53.52	53.72	0.22	0.28	0.31	0.22	0.29	0.32
200	89.12	93.85	92.78	0.07	0.13	0.16	0.07	0.13	0.15
300	76.97	73.76	77.77	0.04	0.12	0.17	0.03	0.10	0.14
400	78.75	74.39	76.15	0.03	0.13	0.17	0.04	0.12	0.16
500	79.48	83.79	83.76	0.02	0.14	0.20	0.02	0.12	0.18
700	59.81	60.68	60.69	0.05	0.21	0.26	0.03	0.17	0.24
800	76.52	74.21	74.11	0.04	0.22	0.28	0.02	0.18	0.26
1000	83.75	78.92	80.74	0.06	0.25	0.34	0.04	0.23	0.31
1200	79.82	89.28	84.39	0.05	0.28	0.37	0.02	0.24	0.33
1400	73.46	78.96	74.76	0.08	0.32	0.44	0.04	0.28	0.39
1500	72.90	75.05	77.62	0.07	0.32	0.44	0.04	0.30	0.41
1700	96.37	83.25	73.76	0.09	0.35	0.47	0.11	0.36	0.46
1800	77.86	69.57	71.51	0.12	0.36	0.51	0.09	0.35	0.48
2000	60.23	63.16	56.63	0.12	0.37	0.52	0.08	0.36	0.50
2200	63.94	61.48	60.29	0.11	0.42	0.54	0.11	0.40	0.55
2400	58.39	59.78	58.55	0.14	0.45	0.59	0.15	0.45	0.60
2500	59.12	60.36	57.31	0.15	0.45	0.60	0.13	0.45	0.60
2600	54.97	56.25	51.17	0.26	0.60	0.77	0.39	0.68	0.77
2700	53.88	55.83	55.42	0.16	0.46	0.63	0.19	0.49	0.65
2800	49.12	52.23	50.93	0.19	0.51	0.67	0.19	0.51	0.69
3000	48.39	48.77	49.66	0.14	0.47	0.66	0.12	0.49	0.66
3200	43.32	44.23	46.29	0.14	0.51	0.69	0.19	0.58	0.77
3400	45.41	42.45	41.43	0.16	0.55	0.75	0.18	0.63	0.88
3500	41.99	40.48	39.52	0.20	0.60	0.84	0.25	0.74	1.05
3700	37.44	37.85	39.14	0.27	0.78	1.09	1.04	2.29	3.08
3800	40.42	47.17	46.56	0.74	1.65	2.16	3.94	2.61	2.17
4000	45.52	41.54	40.33	0.61	1.01	1.18	0.39	0.91	1.15
4200	36.13	37.18	36.80	0.24	0.76	1.00	0.21	0.79	1.07
4400	33.86	34.96	34.64	0.19	0.77	1.07	0.23	0.82	1.08
4500	32.52	33.97	34.09	0.15	0.76	1.08	0.20	0.78	1.12
4700	29.75	30.80	30.21	0.18	0.83	1.18	0.23	0.86	1.24
4800	28.92	29.11	29.58	0.22	0.87	1.21	0.16	0.91	1.27
5000	26.20	26.05	25.95	0.23	0.98	1.36	0.37	1.16	1.73
5200	22.38	22.07	21.76	0.42	1.24	1.75	0.96	1.96	2.69
5400	19.17	19.92	21.07	0.74	1.52	1.93	2.15	3.07	3.34
5500	18.53	20.30	21.59	1.01	1.63	1.84	2.45	2.99	3.03
5700	19.86	21.85	24.28	0.80	1.39	1.83	2.11	2.36	2.34
5800	20.66	22.58	24.58	0.74	1.36	1.78	1.90	2.15	2.25
6000	21.68	23.82	24.17	0.72	1.36	1.80	1.37	1.87	2.02

REV. X2
RLP-30+
100903
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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	16.73	16.91	16.90
1	16.75	16.85	16.93
2	16.72	16.79	16.70
3	16.93	16.40	16.66
4	16.79	16.79	16.75
5	16.66	16.90	16.76
6	16.83	16.85	16.92
7	17.04	17.00	17.14
8	17.08	17.10	17.16
9	17.15	17.36	17.29
10	17.33	17.44	17.56
11	17.41	17.52	17.45
12	17.64	17.67	17.78
13	17.84	17.95	17.98
14	18.10	18.25	18.30
15	18.27	18.37	18.45
16	18.72	18.69	18.82
17	19.08	19.13	19.16
18	19.41	19.54	19.54
19	19.81	19.89	19.95
20	20.24	20.34	20.38
21	20.71	20.79	20.82
22	21.16	21.26	21.25
23	21.78	21.80	21.86
24	22.45	22.47	22.51
25	23.10	23.17	23.25
26	23.92	24.00	24.11
27	24.76	24.84	24.92
28	25.83	25.98	26.06
29	26.96	27.15	27.33
30	28.36	28.59	28.68
31	29.99	30.17	30.38
32	31.70	31.98	32.21
33	33.96	34.27	34.60
34	36.58	36.96	37.28
35	40.05	40.52	40.82
36	44.63	45.19	45.64
37	50.74	51.42	51.99
38	57.93	58.54	59.02
39	64.28	64.26	64.29
40	66.25	65.24	64.58
41	61.80	60.10	58.90
42	52.84	50.97	49.61
43	43.11	41.38	40.47
50	13.56	13.52	13.21
60	6.54	6.86	6.58
70	3.86	4.37	3.27
80	2.79	2.81	2.79
90	2.16	2.05	2.09
100	1.60	1.72	1.71
110	1.52	1.58	1.30
120	1.20	1.47	1.20
130	0.88	1.27	1.09
135	0.59	0.68	0.61

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