

Metal Shield Low Pass Filter

RLP-40+

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	0.38	0.50	0.59	27.38	25.01	23.69	27.41	25.02	23.70
5	0.39	0.51	0.61	26.19	24.25	23.08	26.28	24.33	23.15
10	0.42	0.55	0.62	24.69	23.33	22.42	24.93	23.56	22.64
20	0.47	0.59	0.68	26.16	25.34	24.75	27.17	26.37	25.75
26	0.54	0.67	0.77	30.45	29.47	28.84	35.64	34.13	33.14
30	0.61	0.75	0.85	30.53	29.45	28.72	35.91	33.84	32.56
40	0.86	1.03	1.14	31.13	30.50	29.97	33.60	33.18	32.79
50	1.39	1.65	1.83	22.85	22.43	22.08	22.54	22.17	21.90
56	2.61	3.04	3.34	14.98	14.72	14.54	14.76	14.49	14.31
60	6.96	7.55	7.98	4.40	4.57	4.69	4.43	4.61	4.72
62	10.92	11.51	11.92	2.53	2.74	2.86	2.58	2.78	2.91
63	13.14	13.71	14.12	2.04	2.23	2.36	2.07	2.27	2.40
64	15.46	16.00	16.39	1.71	1.88	2.01	1.74	1.92	2.04
65	17.80	18.30	18.71	1.47	1.63	1.75	1.50	1.67	1.78
66	20.16	20.67	21.05	1.31	1.47	1.56	1.32	1.49	1.59
67	22.54	23.04	23.42	1.18	1.33	1.42	1.20	1.35	1.45
68	24.97	25.46	25.83	1.07	1.21	1.30	1.09	1.24	1.33
69	27.44	27.91	28.28	1.00	1.13	1.22	1.02	1.16	1.25
70	29.93	30.37	30.75	0.93	1.05	1.14	0.96	1.09	1.17
80	62.00	60.91	60.71	0.62	0.71	0.77	0.64	0.73	0.79
90	65.15	64.36	64.18	0.49	0.57	0.62	0.49	0.57	0.63
100	60.68	60.37	60.23	0.39	0.47	0.52	0.40	0.47	0.53
200	66.52	65.67	65.64	0.13	0.19	0.23	0.12	0.19	0.24
300	80.14	77.18	77.71	0.04	0.13	0.17	0.07	0.15	0.18
400	77.25	75.30	76.58	0.03	0.13	0.18	0.04	0.13	0.19
500	81.08	77.30	78.98	0.02	0.14	0.20	0.04	0.15	0.21
600	81.03	84.97	97.46	0.02	0.15	0.22	0.04	0.17	0.24
700	65.04	64.93	65.48	0.01	0.16	0.23	0.05	0.20	0.29
800	58.16	58.03	58.38	0.03	0.19	0.27	0.04	0.23	0.30
900	58.03	58.38	58.59	0.03	0.21	0.30	0.04	0.25	0.33
1000	66.91	66.89	66.85	0.04	0.23	0.33	0.05	0.26	0.37
1100	70.41	69.93	71.48	0.02	0.23	0.32	0.07	0.28	0.39
1200	74.36	72.14	75.10	0.04	0.25	0.36	0.06	0.29	0.42
1300	78.22	76.78	81.10	0.05	0.27	0.39	0.08	0.33	0.45
1400	76.40	78.56	75.65	0.07	0.30	0.43	0.10	0.35	0.49
1500	89.67	84.53	83.57	0.07	0.31	0.44	0.10	0.35	0.48
1600	81.46	83.45	79.01	0.09	0.33	0.48	0.11	0.38	0.53
1700	72.28	69.81	72.41	0.09	0.35	0.48	0.12	0.42	0.55
1800	78.04	77.39	73.81	0.10	0.37	0.50	0.13	0.42	0.56
1900	76.03	72.94	71.79	0.11	0.37	0.52	0.14	0.42	0.58
2000	81.46	72.32	73.04	0.13	0.40	0.53	0.15	0.45	0.60
2100	68.65	70.12	72.69	0.15	0.42	0.57	0.18	0.46	0.65
2200	66.70	65.12	70.16	0.15	0.43	0.57	0.16	0.48	0.66
2300	63.13	63.87	66.19	0.17	0.46	0.61	0.21	0.49	0.69
2400	66.07	64.52	68.54	0.17	0.43	0.61	0.19	0.50	0.68
2500	58.64	59.83	61.67	0.19	0.48	0.64	0.20	0.51	0.68
2600	58.92	57.65	58.49	0.18	0.48	0.66	0.20	0.52	0.70
2700	54.15	58.30	58.03	0.20	0.49	0.67	0.22	0.54	0.71
2800	61.49	59.00	55.08	0.20	0.52	0.71	0.23	0.57	0.75
2900	52.50	52.33	54.90	0.18	0.52	0.70	0.19	0.53	0.74
2940	45.27	51.05	50.18	0.22	0.52	0.71	0.22	0.55	0.75
2960	52.72	53.87	55.66	0.22	0.54	0.71	0.18	0.53	0.73
2980	53.73	52.93	58.17	0.19	0.51	0.69	0.21	0.56	0.74
3000	54.28	51.98	56.72	0.20	0.53	0.72	0.22	0.56	0.77

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	11.35	11.39	11.48
1	11.38	11.34	11.48
2	11.49	11.48	11.53
3	11.68	11.42	11.79
4	11.54	11.45	11.50
5	11.51	11.52	11.35
6	11.53	11.54	11.58
7	11.51	11.45	11.48
8	11.60	11.48	11.61
9	11.64	11.74	11.65
10	11.68	11.84	11.64
11	11.66	11.57	11.62
12	11.58	11.61	11.59
14	11.76	11.83	11.77
16	12.06	12.02	12.01
18	12.12	12.11	12.17
20	12.39	12.37	12.44
22	12.57	12.54	12.65
24	12.86	12.92	12.84
25	12.99	12.99	13.05
26	13.17	13.22	13.21
27	13.25	13.27	13.25
28	13.39	13.46	13.49
29	13.58	13.64	13.68
30	13.75	13.84	13.88
31	13.97	14.06	13.98
32	14.32	14.30	14.32
33	14.56	14.51	14.54
34	14.72	14.83	14.82
35	14.97	14.97	15.10
36	15.35	15.34	15.43
37	15.68	15.74	15.73
38	15.94	15.95	16.02
39	16.41	16.43	16.48
40	16.74	16.83	16.81
41	17.29	17.42	17.45
42	17.82	17.88	17.95
43	18.28	18.41	18.41
44	18.97	19.01	19.03
45	19.58	19.72	19.81
46	20.28	20.37	20.45
47	21.13	21.21	21.22
48	22.13	22.16	22.22
49	22.98	23.15	23.11
50	24.27	24.29	24.40
55	34.92	34.90	34.90
59	42.38	41.32	40.56
60	40.35	39.16	38.38
65	21.66	21.08	20.60
70	10.89	10.16	10.13
71	9.07	8.45	8.12
72	7.22	6.30	5.96
73	5.44	4.57	3.85
74	2.55	0.90	0.37

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