

Metal Shield Low Pass Filter

RLP-340+

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	0.05	0.07	0.08	40.58	39.91	39.37	46.69	43.85	42.12
10	0.06	0.07	0.09	39.69	37.80	36.82	39.85	38.16	37.27
20	0.08	0.10	0.12	35.86	34.19	33.41	35.44	34.26	33.70
30	0.10	0.12	0.14	33.31	32.08	31.45	32.64	32.00	31.69
40	0.12	0.15	0.17	31.46	30.81	30.42	30.71	30.59	30.57
50	0.13	0.16	0.18	29.95	29.90	29.80	29.34	29.68	29.92
100	0.18	0.24	0.26	30.80	32.03	32.86	31.12	31.47	31.69
140	0.22	0.29	0.33	37.35	35.70	35.23	44.04	40.54	38.79
200	0.32	0.41	0.46	24.27	24.56	24.74	24.39	24.80	25.01
250	0.40	0.51	0.58	25.78	26.84	27.58	25.58	26.81	27.86
300	0.54	0.69	0.78	29.67	29.15	28.70	28.62	28.15	27.69
320	0.64	0.81	0.92	33.41	35.65	37.50	27.98	27.71	27.36
340	0.85	1.07	1.22	22.33	21.04	20.06	20.50	19.47	18.62
350	1.13	1.42	1.61	14.78	14.03	13.41	14.17	13.50	12.91
356	1.45	1.78	2.01	11.36	10.82	10.35	10.99	10.51	10.05
360	1.77	2.13	2.39	9.49	9.06	8.68	9.20	8.83	8.46
365	2.29	2.70	3.00	7.47	7.17	6.88	7.25	7.00	6.73
370	2.97	3.42	3.76	5.82	5.62	5.42	5.66	5.51	5.32
380	4.82	5.34	5.72	3.48	3.43	3.36	3.39	3.40	3.34
390	7.22	7.76	8.16	2.11	2.15	2.14	2.07	2.16	2.17
400	9.96	10.48	10.87	1.35	1.43	1.46	1.33	1.46	1.51
432	19.06	19.48	19.81	0.55	0.64	0.69	0.52	0.67	0.73
440	21.20	21.61	21.92	0.48	0.57	0.62	0.46	0.61	0.68
450	23.83	24.21	24.50	0.42	0.51	0.56	0.41	0.56	0.63
460	26.41	26.77	27.05	0.38	0.47	0.52	0.37	0.51	0.58
470	28.95	29.30	29.57	0.35	0.44	0.48	0.33	0.47	0.54
475	30.19	30.54	30.80	0.34	0.42	0.47	0.32	0.46	0.52
480	31.42	31.76	32.02	0.33	0.41	0.46	0.30	0.44	0.51
490	33.80	34.15	34.39	0.31	0.39	0.44	0.27	0.41	0.48
500	36.11	36.45	36.67	0.29	0.37	0.42	0.26	0.40	0.48
518	40.18	40.52	40.71	0.26	0.34	0.39	0.25	0.39	0.46
550	47.14	47.48	47.71	0.23	0.31	0.37	0.19	0.33	0.40
560	49.17	49.50	49.65	0.22	0.30	0.36	0.18	0.33	0.40
600	56.51	56.87	56.95	0.20	0.28	0.34	0.16	0.31	0.39
650	62.76	63.40	63.15	0.17	0.26	0.32	0.14	0.30	0.39
700	65.67	65.96	66.62	0.15	0.24	0.31	0.11	0.28	0.38
800	66.78	67.14	67.83	0.14	0.24	0.32	0.08	0.26	0.37
900	67.59	67.95	68.09	0.12	0.24	0.32	0.07	0.27	0.39
1000	68.27	67.72	68.23	0.12	0.24	0.34	0.05	0.27	0.40
1500	63.59	64.11	64.82	0.14	0.30	0.43	0.05	0.34	0.52
2000	42.10	41.81	41.46	0.17	0.36	0.50	0.23	0.58	0.80
2500	33.33	33.27	33.46	0.20	0.40	0.56	0.04	0.40	0.61
3000	38.54	39.38	40.01	0.20	0.40	0.55	0.12	0.49	0.71
3500	43.83	46.63	47.23	0.20	0.41	0.54	0.08	0.57	0.81
4000	41.83	40.33	39.47	0.27	0.47	0.63	0.08	0.40	0.65
4500	41.92	44.70	45.64	0.24	0.49	0.67	0.11	0.59	0.87
5000	38.48	38.16	36.98	0.36	0.62	0.84	0.20	0.95	1.21
5500	38.30	38.47	39.50	0.38	0.66	0.88	0.21	1.03	1.36
6000	32.56	35.98	35.46	0.51	0.75	1.22	0.59	1.15	1.60
6500	31.46	33.19	38.39	0.59	1.08	1.28	0.37	1.13	1.72
7000	29.73	31.63	33.66	0.73	1.15	1.51	0.20	1.01	1.57
7500	32.97	37.63	38.25	0.79	1.20	1.56	0.48	1.32	1.96
8000	35.69	38.50	39.65	0.75	1.27	1.65	0.39	1.43	2.11
8500	28.91	26.92	25.89	0.74	1.53	2.15	0.18	1.23	1.99

REV. X2
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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	2.20	2.23	2.23
1	2.20	2.23	2.23
5	2.21	2.23	2.23
10	2.21	2.23	2.23
20	2.20	2.21	2.22
30	2.20	2.21	2.21
40	2.20	2.21	2.22
50	2.21	2.22	2.22
60	2.22	2.23	2.23
70	2.23	2.24	2.25
80	2.25	2.25	2.26
90	2.26	2.26	2.27
100	2.28	2.28	2.29
120	2.32	2.32	2.33
140	2.38	2.38	2.39
160	2.45	2.45	2.46
180	2.54	2.54	2.55
200	2.64	2.65	2.65
220	2.78	2.78	2.79
240	2.95	2.96	2.97
250	3.06	3.06	3.08
260	3.18	3.19	3.20
270	3.33	3.34	3.36
280	3.51	3.53	3.55
290	3.74	3.76	3.78
300	4.00	4.02	4.04
350	4.87	4.83	4.81
400	4.35	4.29	4.26
450	2.70	2.65	2.62
500	1.54	1.53	1.53
550	1.14	1.12	1.14
600	0.93	0.92	0.92
650	0.86	0.81	0.88
700	0.73	0.71	0.72
750	0.66	0.62	0.55
800	0.40	0.58	0.56
850	0.47	0.50	0.49
900	0.52	0.51	0.53
950	0.52	0.46	0.46
1000	0.52	0.44	0.49
1050	0.47	0.44	0.48
1100	0.36	0.41	0.48
1150	0.39	0.50	0.43
1200	0.33	0.35	0.41
1250	0.45	0.37	0.36
1300	0.38	0.35	0.36
1350	0.36	0.40	0.38
1400	0.43	0.42	0.37
1450	0.37	0.36	0.37
1500	0.30	0.31	0.33
1550	0.35	0.36	0.36
1600	0.36	0.33	0.40
1650	0.19	0.23	0.19

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