

Metal Shield Low Pass Filter

RLP-900+

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	0.00	0.01	0.02	50.50	48.47	47.04	41.64	41.31	41.23
10	0.02	0.03	0.04	47.34	44.55	43.02	45.66	44.03	43.08
25	0.03	0.05	0.06	45.79	41.68	39.81	42.30	41.87	41.45
50	0.05	0.07	0.09	42.87	39.95	38.09	38.38	40.05	41.49
100	0.07	0.10	0.13	36.77	39.07	40.41	37.16	38.84	39.57
200	0.11	0.15	0.19	38.58	41.60	38.61	38.30	39.96	37.46
250	0.12	0.18	0.22	42.86	38.42	35.06	40.78	37.38	34.14
300	0.14	0.21	0.26	37.30	33.07	31.03	35.58	32.50	30.72
400	0.18	0.26	0.33	26.17	25.77	25.58	25.84	25.49	25.28
500	0.24	0.34	0.41	21.75	22.23	22.86	21.58	22.02	22.55
600	0.29	0.40	0.48	21.10	22.39	23.87	20.92	22.08	23.25
700	0.32	0.47	0.57	26.66	29.30	31.59	25.95	27.35	27.87
800	0.43	0.61	0.73	22.66	21.93	21.37	22.24	21.58	21.15
900	0.59	0.81	0.98	22.49	22.97	22.96	24.40	27.74	33.80
960	1.03	1.42	1.74	13.59	12.15	10.97	14.12	12.74	11.52
1000	2.56	3.16	3.65	5.93	5.47	5.05	5.93	5.56	5.18
1100	12.39	12.95	13.43	0.85	0.94	1.00	0.75	0.92	1.02
1200	22.54	22.91	23.22	0.38	0.50	0.59	0.28	0.48	0.61
1300	30.67	30.93	31.16	0.29	0.41	0.52	0.19	0.40	0.55
1400	36.71	36.90	37.07	0.26	0.39	0.52	0.15	0.38	0.55
1500	41.17	41.20	41.29	0.25	0.39	0.54	0.13	0.38	0.57
1600	43.68	43.78	43.90	0.25	0.41	0.56	0.13	0.38	0.60
1750	45.81	46.00	46.07	0.25	0.42	0.60	0.12	0.40	0.63
1800	46.26	46.35	46.51	0.24	0.42	0.60	0.11	0.41	0.65
2000	47.24	47.36	47.59	0.25	0.45	0.64	0.12	0.43	0.70
2200	47.40	47.62	47.89	0.27	0.48	0.68	0.12	0.46	0.73
2400	47.17	47.63	47.78	0.28	0.49	0.69	0.14	0.48	0.77
2500	47.24	47.41	47.75	0.29	0.50	0.71	0.12	0.48	0.77
2600	47.26	47.71	47.70	0.29	0.51	0.70	0.13	0.49	0.78
2800	49.92	50.20	52.52	0.31	0.52	0.71	0.13	0.50	0.78
2900	54.59	55.18	56.47	0.31	0.53	0.72	0.12	0.50	0.79
3000	56.84	55.89	53.10	0.35	0.56	0.75	0.13	0.50	0.79
3200	29.59	29.11	28.48	0.66	1.01	1.35	0.14	0.53	0.84
3400	19.86	21.11	22.20	0.97	1.16	1.28	0.18	0.57	0.85
3500	22.29	23.14	23.74	0.50	0.72	0.91	0.16	0.55	0.85
3600	22.46	23.14	23.50	0.42	0.63	0.82	0.16	0.55	0.85
3800	19.98	20.25	20.60	0.42	0.65	0.85	0.21	0.63	0.95
4000	13.16	12.97	12.60	0.77	1.08	1.43	0.71	1.30	1.88
4200	6.10	8.10	9.80	2.92	2.39	2.11	4.46	3.60	3.13
4400	15.59	16.59	17.36	0.55	0.80	0.98	0.38	0.88	1.19
4500	17.82	18.66	19.47	0.46	0.75	0.91	0.29	0.74	1.07
4600	19.19	19.89	20.74	0.44	0.67	0.91	0.20	0.70	1.12
4800	21.14	21.63	22.11	0.37	0.66	0.90	0.19	0.71	1.09
5000	21.71	22.61	22.56	0.50	0.77	0.97	0.20	0.68	1.06
5200	21.49	21.48	22.09	0.47	0.81	1.14	0.25	0.77	1.26
5400	21.50	21.42	21.21	0.57	0.85	1.17	0.23	0.79	1.28
5500	22.23	22.00	20.51	0.56	0.91	1.21	0.32	0.90	1.38
5600	20.17	19.72	19.24	0.53	0.98	1.39	0.28	0.88	1.40
5800	18.66	17.70	16.92	0.82	1.34	1.95	0.46	1.12	1.80
6000	14.96	13.43	14.09	1.24	2.76	4.19	0.70	2.11	2.99
6500	23.21	26.95	29.49	1.03	1.29	1.54	0.57	1.08	1.53
7000	34.77	36.83	32.37	0.99	1.32	1.61	0.62	1.14	1.87
8000	30.12	30.89	33.50	0.87	1.31	1.71	0.57	1.43	2.03
8500	35.99	38.33	39.93	0.73	1.14	1.62	0.41	1.27	1.90

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RLP-900+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	0.65	0.67	0.67
10	0.82	0.83	0.83
50	0.92	0.92	0.93
100	0.95	0.95	0.95
200	0.97	0.96	0.97
300	1.00	0.99	0.99
400	1.04	1.03	1.03
500	1.10	1.09	1.10
600	1.19	1.19	1.19
700	1.33	1.33	1.33
800	1.55	1.55	1.56
900	2.03	2.04	2.07
1000	2.59	2.54	2.50
1200	1.03	1.02	1.02
1300	0.77	0.77	0.78
1400	0.66	0.65	0.66
1500	0.56	0.57	0.57
1600	0.51	0.52	0.52
1700	0.48	0.48	0.47
1800	0.45	0.44	0.44
1900	0.43	0.42	0.42
2000	0.42	0.41	0.41
2200	0.40	0.40	0.39
2400	0.41	0.41	0.37
2500	0.41	0.39	0.37
2600	0.30	0.42	0.26
2700	0.27	0.27	0.09
2800	0.22	0.06	0.34
2900	0.28	1.11	2.72
3000	4.19	4.15	3.42
3200	0.82	1.07	1.34
3400	1.29	1.07	0.91
3500	0.51	0.50	0.50
3600	0.43	0.41	0.42
3700	0.41	0.41	0.39
3800	0.39	0.39	0.38
3900	0.43	0.46	0.47
4000	0.71	0.80	0.94
4200	1.97	1.69	1.42
4400	0.47	0.45	0.43
4500	0.36	0.36	0.33
4600	0.32	0.29	0.28
4700	0.31	0.33	0.38
4800	0.35	0.33	0.24
4900	0.33	0.30	0.31
5000	0.29	0.30	0.40
5200	0.35	0.43	0.34
5400	0.31	0.28	0.42
5500	0.20	0.29	0.46
5600	0.50	0.44	0.44
5700	0.35	0.40	0.52
5800	0.39	0.50	0.66
5900	0.52	0.65	0.97
6000	0.55	1.11	1.30

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