

# Metal Shield Low Pass Filter

# RLP-264+

## 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	0.06	0.07	0.09	40.40	39.57	38.55	44.48	42.16	40.19
50	0.16	0.18	0.21	36.86	35.44	34.28	34.54	35.06	35.56
80	0.20	0.24	0.28	33.44	32.77	32.02	35.50	33.38	31.64
150	0.37	0.44	0.49	19.54	19.49	19.49	19.54	19.54	19.60
200	0.46	0.55	0.62	24.97	25.68	26.66	25.14	26.13	27.62
264	0.89	1.05	1.19	21.11	21.85	22.65	20.35	20.83	21.33
276	1.14	1.36	1.57	22.38	20.80	19.12	20.56	19.30	18.00
288	2.29	2.64	3.01	8.60	8.24	7.80	8.47	8.16	7.75
300	5.45	5.90	6.37	3.38	3.35	3.27	3.34	3.34	3.29
365	30.18	30.46	30.78	0.37	0.44	0.49	0.34	0.44	0.53
425	49.99	50.22	50.51	0.25	0.30	0.36	0.21	0.31	0.39
500	73.35	72.73	72.66	0.18	0.24	0.30	0.15	0.25	0.34
600	76.06	75.35	76.02	0.14	0.21	0.28	0.10	0.22	0.32
700	73.92	76.12	75.12	0.12	0.19	0.27	0.07	0.20	0.32
800	75.46	75.20	75.15	0.12	0.19	0.28	0.06	0.20	0.33
900	73.86	74.31	74.42	0.11	0.19	0.29	0.05	0.21	0.35
1000	72.14	72.60	72.42	0.11	0.20	0.31	0.04	0.21	0.37
1200	68.11	68.04	68.55	0.12	0.23	0.36	0.04	0.24	0.42
1250	67.90	67.77	68.20	0.13	0.24	0.37	0.05	0.25	0.44
1400	68.63	68.79	69.65	0.14	0.26	0.40	0.05	0.27	0.47
1500	80.70	81.56	81.03	0.15	0.27	0.43	0.05	0.28	0.50
1800	38.21	38.71	39.24	0.18	0.31	0.48	0.09	0.34	0.58
2000	38.13	38.45	38.75	0.20	0.34	0.50	0.08	0.34	0.58
2200	20.96	20.69	20.10	0.82	1.11	1.55	0.42	0.77	1.17
2400	38.99	39.64	40.33	0.23	0.37	0.54	0.09	0.36	0.61
2500	42.57	42.93	43.09	0.23	0.37	0.54	0.09	0.37	0.63
2800	48.04	48.72	49.46	0.23	0.37	0.53	0.08	0.35	0.62
3000	49.29	49.23	50.63	0.21	0.35	0.52	0.06	0.36	0.63
3200	51.22	51.97	50.43	0.21	0.35	0.53	0.03	0.34	0.62
3400	50.50	49.59	49.03	0.20	0.34	0.52	0.06	0.38	0.66
3500	51.84	50.75	50.89	0.21	0.36	0.52	0.04	0.38	0.68
3800	44.82	45.56	44.44	0.25	0.39	0.58	0.02	0.38	0.71
4000	41.66	42.52	40.88	0.24	0.40	0.56	0.07	0.45	0.78
4200	40.75	40.69	39.59	0.25	0.44	0.63	0.04	0.47	0.83
4400	37.95	38.48	38.15	0.24	0.42	0.63	0.04	0.46	0.85
4500	41.95	41.93	43.27	0.26	0.45	0.64	0.02	0.45	0.86
4800	39.54	38.31	40.29	0.34	0.52	0.72	0.05	0.49	0.92
5000	34.31	34.28	34.27	0.34	0.54	0.77	0.17	0.62	1.07
5200	36.30	35.73	34.56	0.34	0.57	0.91	0.26	0.79	1.45
5400	30.08	33.49	37.71	0.55	0.80	0.97	0.61	1.39	1.45
5500	36.87	44.72	38.92	0.62	0.72	1.00	1.10	0.98	1.26
5800	34.87	35.34	38.07	0.61	0.81	1.06	0.38	0.88	1.35
6000	39.75	38.36	35.54	0.58	0.94	1.13	0.40	0.97	1.50
6200	33.85	35.02	36.88	0.46	0.71	1.09	0.37	0.89	1.46
6400	34.20	33.12	34.46	0.59	0.84	1.12	0.41	0.91	1.48
6500	34.46	33.44	36.02	0.65	0.83	1.19	0.42	0.96	1.52
6800	39.94	40.83	35.71	0.73	0.90	1.24	0.35	0.94	1.53
7000	37.68	42.21	40.17	0.66	1.02	1.45	0.44	1.03	1.71
7200	36.14	36.62	38.20	0.71	1.08	1.58	0.47	1.08	1.77
7400	37.06	38.51	47.19	0.71	1.12	1.48	0.37	1.03	1.71
7500	35.62	37.49	42.58	0.72	1.04	1.47	0.34	1.01	1.74
7800	37.42	37.34	40.47	0.77	1.13	1.54	0.30	0.97	1.72
8000	34.89	34.99	33.44	0.69	1.20	1.80	0.30	1.03	1.88
8500	22.96	22.60	22.06	0.87	1.55	2.62	0.53	1.24	2.22

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# Metal Shield Low Pass Filter

RLP-264+

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	2.76	2.76	2.78
3	2.77	2.76	2.78
5	2.77	2.77	2.78
10	2.76	2.77	2.78
20	2.76	2.76	2.78
30	2.76	2.77	2.78
40	2.78	2.78	2.79
50	2.80	2.80	2.81
60	2.83	2.83	2.84
80	2.88	2.89	2.89
100	2.96	2.96	2.97
120	3.06	3.07	3.07
140	3.21	3.21	3.22
150	3.30	3.30	3.31
160	3.40	3.41	3.42
180	3.67	3.67	3.69
200	4.04	4.05	4.07
210	4.32	4.33	4.36
220	4.70	4.72	4.75
230	5.14	5.15	5.18
240	5.53	5.52	5.53
250	5.76	5.74	5.73
260	5.86	5.83	5.81
270	5.86	5.83	5.80
280	5.79	5.75	5.73
282	5.77	5.74	5.71
284	5.75	5.71	5.68
286	5.72	5.69	5.65
288	5.70	5.66	5.63
289	5.68	5.64	5.61
290	5.67	5.63	5.60
300	5.50	5.46	5.42
350	3.87	3.80	3.74
400	1.66	1.64	1.60
450	1.04	1.06	1.20
500	1.04	0.98	0.99
550	0.86	0.92	1.03
600	0.74	0.72	0.54
650	0.32	0.72	0.48
700	0.47	0.60	0.51
750	0.52	0.42	0.50
800	0.37	0.35	0.50
850	0.38	0.38	0.28
900	0.49	0.43	0.41
950	0.48	0.50	0.51
1000	0.51	0.45	0.56
1050	0.48	0.24	0.51
1100	0.43	0.36	0.33
1150	0.37	0.34	0.29
1200	0.33	0.28	0.35
1250	0.26	0.30	0.28
1300	0.35	0.40	0.28
1350	0.44	0.40	0.35
1400	0.11	0.00	0.05

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