

Metal Shield Low Pass Filter

RLP-158+

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	0.07	0.09	0.11	41.32	38.95	37.15	38.69	37.40	36.21
50	0.24	0.28	0.31	33.25	32.88	32.62	33.40	33.46	33.49
70	0.30	0.36	0.40	29.96	29.62	29.26	31.15	29.84	28.90
80	0.35	0.42	0.47	25.25	25.15	25.05	25.65	25.23	24.90
90	0.40	0.48	0.53	22.37	22.44	22.51	22.54	22.53	22.56
100	0.45	0.53	0.59	20.98	21.17	21.35	21.08	21.30	21.54
110	0.50	0.59	0.66	21.00	21.29	21.56	21.08	21.46	21.85
120	0.54	0.64	0.72	22.85	23.26	23.62	22.91	23.43	23.96
130	0.60	0.71	0.80	27.73	28.31	28.83	27.45	28.01	28.57
140	0.68	0.81	0.91	37.10	37.26	37.21	32.10	31.64	31.24
150	0.82	0.97	1.09	43.95	47.42	53.72	29.45	28.79	28.26
158	1.03	1.22	1.37	24.42	23.96	23.26	22.02	21.51	20.94
160	1.10	1.30	1.47	20.54	20.09	19.51	19.49	19.04	18.50
170	2.24	2.56	2.85	8.98	8.80	8.54	8.83	8.66	8.42
172	2.77	3.12	3.44	7.51	7.38	7.18	7.40	7.28	7.09
180	5.84	6.29	6.72	3.34	3.37	3.34	3.31	3.35	3.34
190	11.54	12.01	12.46	1.39	1.48	1.53	1.38	1.49	1.56
200	17.74	18.16	18.58	0.80	0.89	0.95	0.79	0.91	0.98
210	23.78	24.16	24.54	0.58	0.67	0.73	0.58	0.68	0.76
220	29.62	29.96	30.33	0.48	0.55	0.61	0.47	0.57	0.64
230	35.35	35.68	36.02	0.41	0.49	0.54	0.40	0.50	0.57
240	41.10	41.44	41.80	0.37	0.44	0.48	0.36	0.45	0.52
250	47.06	47.45	47.79	0.33	0.40	0.45	0.32	0.42	0.48
252	48.31	48.73	49.06	0.33	0.39	0.44	0.32	0.41	0.48
255	50.85	51.30	51.64	0.32	0.38	0.43	0.31	0.40	0.46
260	53.58	53.98	54.39	0.30	0.37	0.41	0.29	0.38	0.45
270	61.39	61.82	62.44	0.28	0.34	0.39	0.27	0.36	0.43
300	74.39	73.96	73.78	0.23	0.29	0.34	0.21	0.30	0.37
400	83.55	82.49	80.91	0.15	0.21	0.26	0.12	0.22	0.29
500	84.69	83.16	83.19	0.12	0.18	0.24	0.08	0.19	0.27
600	95.89	108.11	95.08	0.10	0.17	0.24	0.06	0.18	0.27
700	91.02	91.70	93.11	0.09	0.18	0.25	0.04	0.18	0.29
800	86.60	85.08	85.35	0.09	0.18	0.27	0.03	0.19	0.31
900	78.46	78.45	78.86	0.10	0.20	0.29	0.03	0.20	0.33
1000	75.62	76.13	76.52	0.10	0.21	0.31	0.03	0.22	0.36
1100	76.32	77.07	76.42	0.11	0.23	0.33	0.04	0.23	0.39
1200	75.75	76.02	77.69	0.12	0.24	0.36	0.04	0.25	0.41
1300	51.01	50.80	52.82	0.13	0.26	0.38	0.08	0.30	0.47
1400	45.47	45.96	45.75	0.14	0.27	0.40	0.07	0.30	0.49
1500	47.93	48.23	48.49	0.14	0.29	0.42	0.06	0.30	0.48
2000	52.37	53.12	53.58	0.18	0.34	0.49	0.09	0.35	0.55
2500	62.65	63.59	63.36	0.20	0.37	0.52	0.09	0.38	0.60
3000	50.27	49.94	49.27	0.21	0.39	0.53	0.07	0.39	0.61
3500	49.25	47.24	48.22	0.21	0.39	0.54	0.06	0.42	0.67
4000	46.03	46.28	46.79	0.21	0.41	0.59	0.02	0.44	0.72
4500	38.97	39.11	39.99	0.30	0.53	0.72	0.08	0.52	0.86
5000	28.02	26.63	26.01	0.42	0.71	0.98	0.34	1.02	1.62
5500	24.96	26.57	29.12	0.62	0.89	1.07	1.54	1.86	2.12
6000	30.25	31.47	33.56	0.61	0.99	1.31	0.53	1.10	1.53
6500	33.75	34.72	35.62	1.41	2.84	2.75	1.08	2.35	2.54
7000	25.41	26.41	27.59	1.02	1.41	1.76	0.79	1.50	2.02
7500	18.83	17.59	18.03	1.12	1.89	2.50	0.66	1.78	2.30
8000	6.84	9.42	10.57	11.57	10.88	7.19	3.61	3.35	3.76
8500	11.32	12.50	14.33	2.27	2.53	2.79	1.18	2.00	2.55

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	4.42	4.42	4.46
10	4.40	4.41	4.44
20	4.41	4.42	4.44
30	4.45	4.46	4.48
40	4.53	4.54	4.56
50	4.65	4.66	4.67
60	4.81	4.82	4.84
70	5.01	5.02	5.04
80	5.23	5.24	5.26
90	5.53	5.55	5.58
100	5.98	6.00	6.04
110	6.61	6.63	6.66
120	7.21	7.21	7.22
130	7.55	7.53	7.52
140	7.67	7.64	7.62
142	7.67	7.64	7.62
144	7.67	7.64	7.62
146	7.66	7.63	7.61
148	7.65	7.62	7.60
150	7.64	7.61	7.59
152	7.62	7.59	7.57
154	7.60	7.57	7.54
156	7.58	7.54	7.52
158	7.55	7.52	7.49
159	7.54	7.50	7.48
160	7.53	7.49	7.46
162	7.49	7.45	7.43
164	7.46	7.42	7.39
166	7.42	7.38	7.36
168	7.38	7.34	7.31
170	7.34	7.30	7.27
172	7.30	7.25	7.23
174	7.25	7.20	7.18
180	7.10	7.05	7.02
190	6.79	6.73	6.71
200	6.40	6.34	6.30
202	6.31	6.25	6.22
204	6.22	6.14	6.10
206	6.14	6.03	5.97
210	5.88	5.78	5.68
212	5.72	5.64	5.51
214	5.57	5.46	5.30
216	5.43	5.22	5.03
220	4.61	4.44	4.12
222	3.84	3.84	3.40
224	3.11	3.23	2.75
226	2.59	2.57	2.38
230	1.73	1.54	1.69
232	1.54	1.40	1.42
234	1.35	1.26	1.14
236	1.11	0.97	0.93
240	0.63	0.39	0.54
242	0.44	0.29	0.37
244	0.26	0.19	0.21
246	0.04	0.04	0.02

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