

Metal Shield Low Pass Filter

RLP-288+

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	0.05	0.09	45.25	42.75	41.43	40.79	39.97	39.15
50	0.14	0.17	0.19	31.48	30.39	29.79	30.63	30.60	30.56
60	0.15	0.18	0.21	29.52	28.58	27.95	29.40	28.70	28.36
80	0.18	0.22	0.26	25.97	25.50	25.03	26.53	25.58	24.97
100	0.22	0.27	0.31	23.38	23.15	23.08	23.66	23.20	22.80
120	0.26	0.32	0.36	21.49	21.33	21.27	21.63	21.41	21.32
140	0.30	0.37	0.42	20.36	20.18	20.02	20.40	20.23	20.14
150	0.32	0.39	0.45	20.09	19.90	19.80	20.10	19.96	19.84
160	0.34	0.41	0.47	19.96	19.82	19.81	19.95	19.87	19.79
180	0.37	0.45	0.51	20.28	20.51	20.64	20.31	20.58	20.80
200	0.39	0.48	0.55	22.26	22.99	23.50	22.21	23.09	23.75
220	0.43	0.54	0.61	28.05	29.34	30.38	27.92	29.83	31.77
230	0.45	0.57	0.65	33.25	33.52	32.62	33.07	34.47	35.14
240	0.48	0.61	0.70	33.24	30.94	29.35	32.41	30.98	29.48
250	0.53	0.67	0.76	28.56	27.10	26.26	27.73	26.72	25.80
260	0.59	0.74	0.84	26.57	25.72	25.18	25.58	24.91	24.42
270	0.66	0.82	0.93	28.20	27.87	27.55	25.79	25.29	25.09
277	0.71	0.89	1.01	34.59	35.03	34.98	26.79	26.20	25.99
288	0.87	1.08	1.23	24.51	23.51	22.64	21.53	20.66	20.07
300	1.37	1.67	1.89	12.91	12.41	11.97	12.42	11.93	11.54
310	2.43	2.84	3.14	7.39	7.13	6.89	7.18	6.95	6.73
315	3.29	3.76	4.10	5.46	5.31	5.16	5.31	5.19	5.06
320	4.41	4.92	5.30	3.99	3.93	3.85	3.88	3.86	3.79
330	7.28	7.84	8.25	2.17	2.22	2.22	2.10	2.18	2.22
340	10.66	11.20	11.61	1.30	1.38	1.42	1.25	1.37	1.45
350	14.19	14.70	15.09	0.87	0.97	1.01	0.83	0.97	1.05
360	17.71	18.18	18.56	0.66	0.75	0.80	0.62	0.76	0.83
370	21.17	21.62	21.97	0.54	0.63	0.68	0.50	0.63	0.70
380	24.56	24.99	25.32	0.46	0.55	0.60	0.43	0.56	0.64
390	27.90	28.31	28.63	0.41	0.50	0.54	0.39	0.51	0.60
400	31.20	31.59	31.90	0.38	0.46	0.50	0.35	0.47	0.56
455	49.21	49.62	49.86	0.28	0.35	0.39	0.25	0.36	0.45
500	63.36	63.82	63.92	0.23	0.30	0.36	0.19	0.32	0.40
600	66.03	66.16	65.81	0.17	0.25	0.30	0.14	0.27	0.38
700	64.78	64.97	64.93	0.13	0.23	0.28	0.09	0.25	0.36
775	65.83	66.38	65.67	0.12	0.23	0.29	0.08	0.25	0.38
800	66.64	66.60	66.85	0.12	0.23	0.29	0.06	0.24	0.36
900	68.21	68.52	68.37	0.13	0.24	0.33	0.06	0.26	0.40
1000	67.69	67.19	67.44	0.11	0.24	0.33	0.06	0.27	0.42
1500	67.81	68.10	68.21	0.14	0.32	0.44	0.07	0.36	0.56
2000	31.79	31.99	32.12	0.20	0.42	0.55	0.09	0.43	0.67
2500	39.01	39.94	39.92	0.20	0.43	0.56	0.06	0.44	0.67
3000	45.58	46.86	46.71	0.21	0.43	0.55	0.05	0.45	0.70
3500	41.56	43.59	43.86	0.21	0.42	0.56	0.01	0.44	0.70
4000	40.85	43.14	44.00	0.21	0.46	0.58	0.02	0.50	0.79
4500	39.70	38.48	40.72	0.26	0.54	0.67	0.02	0.56	0.80
5000	40.69	35.88	38.45	0.36	0.69	0.79	0.18	0.71	1.28
5500	32.66	36.90	35.34	0.46	0.72	1.00	0.39	1.04	1.32
6000	34.97	34.40	36.27	0.47	0.87	1.15	0.25	0.94	1.35
6500	32.00	34.44	31.67	0.57	0.96	1.46	0.18	0.99	1.58
7000	35.31	34.35	36.18	0.65	1.13	1.47	0.41	1.13	1.63
7500	34.98	35.78	38.64	0.63	1.23	1.56	0.26	1.28	1.79
8000	34.42	34.51	35.63	0.79	1.44	2.01	0.28	1.27	2.07
8500	38.75	39.44	39.26	0.78	1.41	1.72	0.22	1.26	1.85

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	2.06	2.06	2.10
10	2.25	2.25	2.28
20	2.31	2.31	2.33
30	2.34	2.34	2.36
40	2.36	2.36	2.38
50	2.39	2.39	2.40
60	2.41	2.41	2.42
80	2.48	2.48	2.49
100	2.53	2.53	2.54
120	2.61	2.61	2.62
140	2.71	2.71	2.72
160	2.85	2.85	2.86
180	3.02	3.03	3.04
200	3.26	3.27	3.28
220	3.61	3.62	3.64
240	4.15	4.17	4.20
260	4.85	4.85	4.86
280	5.26	5.23	5.22
300	5.32	5.28	5.26
320	5.16	5.11	5.08
340	4.82	4.76	4.72
360	4.26	4.19	4.14
380	3.42	3.35	3.29
390	2.94	2.87	2.84
400	2.52	2.47	2.44
410	2.19	2.16	2.12
420	1.94	1.94	1.90
430	1.77	1.74	1.74
440	1.63	1.62	1.62
450	1.52	1.51	1.54
460	1.44	1.43	1.50
470	1.39	1.38	1.42
480	1.34	1.35	1.41
490	1.32	1.35	1.33
500	1.28	1.27	1.24
550	1.03	1.04	1.08
600	0.86	0.84	0.85
650	0.59	0.65	0.68
700	0.59	0.55	0.62
750	0.59	0.54	0.57
800	0.55	0.63	0.54
850	0.48	0.47	0.54
900	0.54	0.46	0.47
950	0.50	0.40	0.47
1000	0.46	0.37	0.41
1050	0.48	0.45	0.52
1100	0.40	0.39	0.37
1150	0.39	0.39	0.39
1200	0.36	0.34	0.43
1250	0.38	0.37	0.35
1300	0.34	0.33	0.34
1350	0.38	0.40	0.31
1375	0.34	0.30	0.30
1400	0.24	0.31	0.21

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