

Metal Shield Low Pass Filter

RLP-216+

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	0.04	0.07	0.08	40.23	39.24	38.22	43.51	41.31	39.60
50	0.18	0.22	0.24	37.41	35.57	34.13	33.60	33.71	33.85
100	0.31	0.37	0.41	23.72	23.61	23.60	23.81	23.52	23.29
200	0.75	0.89	1.00	29.27	29.12	29.30	25.56	25.04	24.63
216	1.09	1.28	1.45	21.67	21.00	20.13	18.73	18.08	17.31
220	1.30	1.52	1.72	16.36	15.81	15.17	15.08	14.54	13.89
227	2.01	2.31	2.58	10.03	9.71	9.31	9.59	9.26	8.85
232	2.93	3.30	3.64	6.87	6.68	6.44	6.64	6.46	6.19
274	20.71	21.08	21.47	0.63	0.71	0.76	0.63	0.73	0.80
295	30.06	30.38	30.73	0.45	0.51	0.56	0.45	0.54	0.61
340	49.78	49.95	50.24	0.31	0.37	0.41	0.30	0.39	0.45
400	74.41	73.84	72.81	0.23	0.29	0.33	0.22	0.31	0.38
500	68.37	68.19	67.68	0.17	0.23	0.28	0.14	0.25	0.32
600	70.02	69.64	69.18	0.14	0.20	0.27	0.11	0.23	0.31
700	72.40	72.62	73.55	0.12	0.19	0.26	0.08	0.21	0.31
800	74.62	75.08	74.09	0.12	0.20	0.28	0.07	0.22	0.33
900	73.37	73.00	72.13	0.11	0.20	0.29	0.06	0.22	0.35
1000	71.31	71.01	70.69	0.11	0.21	0.30	0.06	0.23	0.37
1200	67.58	67.74	68.47	0.12	0.23	0.34	0.07	0.27	0.42
1300	71.84	72.41	71.96	0.13	0.25	0.36	0.07	0.28	0.44
1400	62.50	62.70	62.11	0.13	0.26	0.38	0.09	0.31	0.48
1500	34.20	33.73	33.16	0.17	0.31	0.43	0.74	1.09	1.42
1700	41.73	42.12	42.34	0.15	0.29	0.42	0.10	0.34	0.53
1800	37.78	37.96	38.07	0.17	0.31	0.45	0.10	0.35	0.55
2000	35.76	36.57	37.35	0.20	0.35	0.48	0.13	0.38	0.58
2200	47.77	48.31	49.05	0.18	0.33	0.47	0.11	0.38	0.58
2400	54.69	55.08	54.88	0.19	0.35	0.48	0.12	0.39	0.59
2500	51.86	51.83	52.81	0.20	0.35	0.49	0.12	0.40	0.61
2700	50.76	51.95	52.42	0.22	0.36	0.49	0.12	0.40	0.60
2800	55.52	57.35	56.54	0.21	0.36	0.50	0.11	0.39	0.60
3000	54.04	52.28	54.00	0.20	0.36	0.49	0.11	0.40	0.62
3200	55.57	52.82	52.19	0.20	0.37	0.50	0.07	0.39	0.61
3400	48.84	49.68	47.51	0.21	0.37	0.51	0.11	0.41	0.64
3500	43.27	40.56	40.15	0.23	0.41	0.54	0.10	0.48	0.70
3800	45.45	44.60	46.30	0.23	0.41	0.54	0.05	0.42	0.66
4000	46.24	43.83	43.30	0.23	0.39	0.55	0.10	0.50	0.77
4200	43.27	42.15	42.56	0.32	0.49	0.63	0.09	0.49	0.79
4400	37.88	38.84	36.94	0.32	0.50	0.66	0.10	0.53	0.84
4500	41.32	38.28	37.64	0.26	0.45	0.62	0.08	0.57	0.90
4800	34.76	33.72	33.90	0.40	0.59	0.80	0.14	0.61	0.98
5000	32.07	30.62	29.59	0.45	0.66	0.85	0.27	0.80	1.26
5200	27.07	25.32	25.40	0.50	0.82	1.12	0.51	1.48	2.51
5400	19.89	25.84	30.61	0.84	0.89	0.96	2.61	1.74	1.69
5500	25.38	29.70	31.97	0.52	0.70	0.91	0.86	1.06	1.35
5800	44.05	36.61	39.44	0.51	0.85	1.06	0.58	0.97	1.39
6000	47.43	46.20	51.48	0.55	0.81	1.10	0.60	1.11	1.59
6200	33.79	33.20	35.52	0.63	0.94	1.24	0.68	1.23	1.62
6400	28.94	31.65	33.21	0.82	1.04	1.29	1.31	1.75	2.06
6500	27.24	29.82	29.96	0.67	0.93	1.35	1.00	1.44	1.81
6800	29.31	28.79	30.14	0.70	1.03	1.35	0.45	1.05	1.57
7000	26.89	26.62	26.72	0.79	1.25	1.60	0.50	1.19	1.67
7500	17.99	16.35	16.05	1.25	2.40	3.66	0.59	1.56	2.41
8000	12.03	14.93	16.89	3.06	2.62	2.67	1.12	1.64	2.26
8500	25.61	31.12	31.33	1.05	1.42	1.83	1.66	1.66	2.14

REV. X2
 RLP-216+
 100928
 Page 1 of 2



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant
 P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see



Metal Shield Low Pass Filter

RLP-216+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	2.98	3.03	3.02
10	3.12	3.16	3.16
20	3.18	3.20	3.21
40	3.25	3.27	3.28
50	3.30	3.31	3.32
60	3.36	3.37	3.38
80	3.51	3.51	3.53
100	3.68	3.69	3.70
120	3.94	3.95	3.96
140	4.33	4.34	4.36
160	5.00	5.02	5.06
180	5.95	5.95	5.97
200	6.39	6.36	6.35
210	6.42	6.39	6.37
220	6.37	6.33	6.31
230	6.25	6.21	6.19
240	6.08	6.04	6.01
250	5.86	5.82	5.79
260	5.59	5.54	5.51
270	5.25	5.21	5.17
280	4.84	4.78	4.75
290	4.29	4.24	4.21
300	3.62	3.59	3.59
310	2.91	2.95	2.91
320	2.27	2.39	2.45
330	1.79	1.86	2.10
340	1.48	1.73	1.98
350	1.43	1.64	1.75
360	1.32	1.60	1.66
370	1.22	1.41	1.52
380	1.22	1.37	1.50
390	1.18	1.34	1.42
400	1.11	1.28	1.32
410	1.08	1.18	1.20
420	1.01	1.18	1.19
430	1.12	1.20	1.15
440	1.02	1.09	1.17
450	1.10	1.10	1.06
500	0.88	0.71	0.73
550	0.64	0.67	0.65
600	0.55	0.58	0.62
650	0.45	0.61	0.39
700	0.39	0.37	0.56
750	0.51	0.55	0.64
800	0.53	0.60	0.45
850	0.34	0.21	0.19
900	0.43	0.53	0.52
950	0.40	0.37	0.36
1000	0.58	0.34	0.36
1050	0.40	0.46	0.33
1100	0.36	0.24	0.40
1150	0.38	0.35	0.40
1200	0.28	0.15	0.30
1250	0.05	0.08	0.17

REV. X2
 RLP-216+
 100928
 Page 2 of 2



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED RoHS compliant
 P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

