

Metal Shield Band Pass Filter

RBP-75+

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
1	93.86	94.10	96.31	0.00	0.01	0.00	0.01	0.01	0.01
10	101.27	101.38	96.42	0.01	0.01	0.02	0.01	0.01	0.01
20	69.39	69.29	69.90	0.05	0.06	0.08	0.04	0.06	0.07
28	50.29	50.01	49.80	0.14	0.17	0.20	0.12	0.16	0.20
37	29.59	29.34	29.12	0.50	0.61	0.70	0.47	0.58	0.69
43	14.70	14.61	14.53	1.71	2.02	2.29	1.71	2.02	2.30
50	3.14	3.51	3.79	14.52	15.40	16.15	16.31	17.39	18.02
60	1.84	2.11	2.32	17.86	18.05	18.37	16.91	17.15	17.58
70	1.62	1.87	2.08	33.78	32.88	30.96	39.66	46.96	37.83
75	1.66	1.91	2.11	28.73	32.85	40.72	27.14	31.41	42.33
80	1.76	2.02	2.25	34.64	29.91	26.73	28.65	29.24	28.34
90	2.36	2.73	3.04	22.09	20.85	19.76	28.53	27.69	25.68
95	3.94	4.51	4.99	9.62	9.07	8.60	9.89	9.51	9.15
100	8.45	9.09	9.61	3.41	3.43	3.43	3.41	3.51	3.59
105	14.20	14.73	15.15	1.63	1.73	1.80	1.60	1.75	1.87
110	19.50	19.93	20.27	1.02	1.11	1.19	0.99	1.12	1.23
120	28.11	28.43	28.68	0.59	0.66	0.72	0.56	0.66	0.74
122	29.58	29.89	30.11	0.54	0.61	0.67	0.52	0.61	0.68
130	34.81	35.04	35.24	0.41	0.47	0.53	0.39	0.47	0.53
140	40.20	40.38	40.54	0.31	0.37	0.42	0.30	0.37	0.42
150	44.65	44.80	44.89	0.26	0.31	0.35	0.24	0.31	0.36
160	48.38	48.46	48.51	0.21	0.27	0.31	0.20	0.27	0.31
170	51.58	51.61	51.60	0.19	0.23	0.28	0.17	0.23	0.28
173	52.44	52.42	52.45	0.18	0.23	0.27	0.16	0.23	0.27
200	58.54	58.44	58.35	0.13	0.18	0.22	0.11	0.18	0.23
300	69.59	69.41	69.76	0.07	0.13	0.18	0.04	0.12	0.18
400	75.71	76.44	76.39	0.06	0.13	0.18	0.03	0.13	0.19
500	84.13	84.25	83.06	0.07	0.14	0.20	0.02	0.14	0.21
600	91.01	94.52	99.33	0.07	0.16	0.23	0.02	0.16	0.25
700	90.82	85.99	91.26	0.08	0.18	0.26	0.02	0.18	0.27
800	83.59	84.17	87.74	0.09	0.20	0.29	0.02	0.20	0.30
900	83.33	84.82	84.76	0.10	0.22	0.32	0.03	0.22	0.33
1000	84.22	89.26	85.49	0.11	0.24	0.35	0.04	0.24	0.35
1200	84.68	85.59	84.33	0.14	0.29	0.40	0.05	0.27	0.40
1400	75.30	80.58	74.96	0.17	0.32	0.44	0.06	0.29	0.43
1500	67.73	64.73	68.70	0.19	0.34	0.47	0.06	0.30	0.45
1600	69.80	66.51	68.38	0.19	0.35	0.48	0.07	0.32	0.47
1700	67.14	65.21	66.90	0.20	0.36	0.50	0.08	0.33	0.49
1800	60.70	65.47	59.72	0.21	0.37	0.51	0.09	0.34	0.51
2000	64.47	65.52	61.74	0.22	0.39	0.54	0.08	0.35	0.56
2200	61.45	54.83	61.54	0.22	0.42	0.57	0.08	0.38	0.58
2400	54.41	51.96	57.10	0.23	0.43	0.59	0.08	0.39	0.61
2500	49.34	52.69	53.06	0.24	0.44	0.61	0.09	0.40	0.63
2600	48.73	51.52	48.72	0.25	0.46	0.63	0.09	0.42	0.63
2700	48.32	47.90	47.73	0.26	0.47	0.64	0.08	0.42	0.63
2800	46.52	47.35	47.82	0.28	0.50	0.69	0.10	0.44	0.64
3000	44.21	44.31	43.99	0.77	0.74	0.82	0.47	0.76	0.83
3200	40.01	41.11	42.44	0.30	0.57	0.72	0.09	0.53	0.69
3400	38.44	38.90	38.94	0.30	0.60	0.77	0.09	0.52	0.76
3500	38.66	37.53	36.66	0.38	0.66	0.82	0.09	0.54	0.79
3600	37.75	35.95	36.62	0.37	0.68	0.90	0.10	0.57	0.85
3700	36.39	34.30	35.13	0.43	0.75	1.00	0.12	0.63	0.93
3800	32.23	32.65	31.80	0.51	0.87	1.23	0.16	0.66	1.03
4000	28.85	28.84	26.96	1.06	1.87	2.81	0.26	0.82	1.32

REV. X2
RBP-75+
101006
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



Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
60	27.68	27.57	27.46
61	26.91	26.80	26.69
62	26.24	26.14	26.06
63	25.66	25.58	25.49
64	25.20	25.10	25.03
65	24.77	24.67	24.59
66	24.34	24.26	24.16
67	23.97	23.91	23.83
68	23.63	23.57	23.48
69	23.32	23.28	23.21
70	23.04	23.01	22.97
71	22.79	22.78	22.75
72	22.59	22.59	22.58
73	22.40	22.39	22.40
74	22.27	22.28	22.29
75	22.17	22.21	22.22
76	22.14	22.18	22.19
77	22.11	22.15	22.19
78	22.12	22.18	22.20
79	22.19	22.23	22.25
80	22.26	22.29	22.34
81	22.39	22.42	22.47
82	22.53	22.58	22.62
83	22.70	22.77	22.82
84	22.95	23.03	23.10
85	23.25	23.36	23.45
86	23.63	23.78	23.88
87	24.14	24.31	24.44
88	24.79	24.98	25.13
89	25.60	25.79	25.94
90	26.58	26.73	26.83
95	30.34	29.75	29.15
100	23.55	22.74	22.03
110	9.58	9.48	9.40
120	5.21	5.21	5.22
130	3.54	3.52	3.54
140	2.58	2.60	2.67
150	2.13	2.06	2.12
160	1.61	1.91	1.62
170	1.32	1.28	1.59
210	0.88	1.04	0.88
220	0.87	0.88	0.99
230	0.68	0.62	0.87
240	0.73	0.74	0.48
250	0.69	0.88	0.64
260	0.94	0.85	0.46
270	0.45	0.49	0.50
280	0.76	0.23	0.70
290	0.85	0.40	0.91
300	0.66	0.90	0.55
310	0.51	0.96	0.47
320	0.40	0.30	0.65
330	0.24	0.78	0.64

REV. X2
RBP-75+
101006
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

