

Metal Shield Band Pass Filter

RBP-275+

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	87.10	94.30	92.21	0.01	0.02	0.02	0.00	0.00	0.00
50	60.51	60.58	60.37	0.07	0.09	0.10	0.01	0.01	0.03
100	46.95	47.01	47.04	0.12	0.14	0.16	0.00	0.04	0.06
120	42.87	42.88	42.91	0.15	0.17	0.19	0.02	0.06	0.08
130	40.92	40.94	40.97	0.17	0.19	0.21	0.03	0.07	0.09
140	39.05	39.07	39.06	0.18	0.21	0.23	0.04	0.09	0.12
150	37.23	37.23	37.20	0.20	0.24	0.25	0.06	0.12	0.15
160	35.48	35.46	35.44	0.23	0.27	0.29	0.08	0.15	0.19
170	33.79	33.81	33.78	0.26	0.31	0.33	0.12	0.20	0.24
180	32.34	32.37	32.37	0.31	0.36	0.39	0.18	0.27	0.32
190	31.41	31.50	31.56	0.37	0.44	0.48	0.27	0.38	0.44
200	32.12	32.37	32.58	0.46	0.55	0.62	0.43	0.57	0.63
209	38.94	38.60	38.07	0.62	0.75	0.84	0.70	0.89	0.98
220	20.35	19.54	18.94	1.13	1.39	1.59	1.58	1.97	2.21
225	13.04	12.51	12.09	1.90	2.35	2.71	2.76	3.46	3.93
245	2.14	2.45	2.63	12.82	12.97	13.08	16.70	17.10	17.26
268	1.69	1.95	2.11	14.28	15.17	15.89	14.60	15.36	15.86
270	1.67	1.94	2.10	14.93	15.96	16.83	14.75	15.46	15.98
275	1.63	1.92	2.09	17.38	18.93	20.50	15.54	16.12	16.64
280	1.62	1.92	2.10	21.53	24.04	27.31	16.77	17.07	17.46
282	1.62	1.93	2.12	23.76	26.50	29.84	17.28	17.42	17.72
305	2.45	2.97	3.35	19.94	17.75	16.24	18.09	17.45	16.43
320	8.44	9.28	9.93	3.34	3.34	3.27	3.00	3.17	3.22
330	15.28	16.03	16.62	1.42	1.51	1.54	1.25	1.48	1.59
350	28.42	29.01	29.52	0.58	0.64	0.68	0.51	0.69	0.78
370	42.00	42.61	43.19	0.35	0.41	0.43	0.32	0.48	0.55
400	55.74	55.47	55.37	0.24	0.27	0.30	0.19	0.34	0.41
450	53.37	53.61	53.63	0.16	0.20	0.21	0.11	0.26	0.33
500	62.01	62.15	62.06	0.14	0.17	0.19	0.07	0.23	0.30
600	59.81	60.22	60.17	0.12	0.16	0.18	0.04	0.22	0.29
700	54.90	55.33	55.53	0.11	0.16	0.18	0.04	0.23	0.31
800	54.12	54.49	54.64	0.11	0.16	0.19	0.03	0.25	0.33
900	54.49	55.03	55.40	0.11	0.17	0.21	0.04	0.26	0.35
1000	56.38	56.55	57.29	0.11	0.19	0.23	0.05	0.29	0.37
1200	68.58	72.85	73.53	0.12	0.23	0.28	0.06	0.32	0.42
1400	54.51	54.02	53.75	0.17	0.33	0.40	0.08	0.35	0.46
1500	48.86	48.48	48.49	0.27	0.46	0.56	0.08	0.36	0.48
1800	38.96	39.77	40.51	1.97	2.21	2.28	0.10	0.39	0.55
2000	57.87	63.03	62.53	0.30	0.52	0.61	0.11	0.41	0.59
2200	51.18	49.82	48.45	0.22	0.45	0.56	0.10	0.43	0.63
2400	43.54	42.74	42.44	0.23	0.49	0.61	0.10	0.44	0.65
2500	41.63	41.22	40.88	0.30	0.57	0.71	0.10	0.45	0.66
2800	37.71	37.30	37.35	0.26	0.56	0.75	0.13	0.50	0.68
3000	34.50	34.67	34.65	0.29	0.62	0.85	0.10	0.53	0.65
3200	32.69	32.71	33.10	0.37	0.72	0.98	0.10	0.57	0.66
3400	31.19	31.05	31.41	0.54	0.88	1.15	0.10	0.61	0.74
3500	30.77	30.46	30.68	0.55	0.91	1.20	0.11	0.64	0.76
3800	28.89	28.56	28.55	2.20	2.68	3.04	0.18	0.73	1.01
4000	27.70	27.29	26.82	0.92	1.32	1.60	0.20	0.77	1.14
4200	25.81	25.51	25.04	0.61	1.08	1.41	0.28	0.93	1.44
4400	23.84	22.73	22.50	0.63	1.18	1.54	1.50	1.45	1.85
4500	21.44	21.81	21.51	0.68	1.27	1.68	0.59	1.04	1.47
4800	18.88	19.31	19.64	1.02	1.79	2.32	0.42	1.02	1.27
5000	16.81	17.43	18.19	1.62	2.60	3.18	0.48	1.16	1.34

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
268	9.77	9.75	9.74
269	9.75	9.73	9.71
270	9.72	9.70	9.69
272	9.69	9.68	9.68
273	9.69	9.69	9.69
274	9.68	9.69	9.69
275	9.70	9.70	9.71
276	9.72	9.71	9.72
277	9.73	9.73	9.75
278	9.76	9.77	9.78
279	9.79	9.80	9.80
280	9.83	9.83	9.84
282	9.92	9.92	9.94
283	9.97	9.98	10.00
284	10.03	10.04	10.06
285	10.09	10.09	10.11
286	10.15	10.15	10.19
287	10.21	10.23	10.26
288	10.30	10.32	10.35
289	10.38	10.41	10.45
290	10.48	10.52	10.56
292	10.72	10.77	10.82
293	10.87	10.93	10.99
294	11.02	11.09	11.16
295	11.19	11.27	11.36
296	11.39	11.48	11.57
297	11.60	11.70	11.81
298	11.83	11.95	12.06
300	12.38	12.49	12.61
302	13.00	13.12	13.23
303	13.34	13.43	13.53
304	13.68	13.75	13.81
305	14.02	14.05	14.08
306	14.35	14.34	14.33
307	14.64	14.58	14.53
308	14.91	14.78	14.67
310	15.25	14.98	14.75
312	15.28	14.87	14.51
314	14.94	14.41	13.96
315	14.64	14.07	13.58
316	14.27	13.66	13.15
317	13.81	13.20	12.68
318	13.25	12.63	12.12
320	11.69	11.13	10.68
325	9.79	9.34	8.98
330	7.77	7.46	7.20
335	6.01	5.81	5.63
340	4.74	4.60	4.48
345	3.82	3.71	3.60
350	3.11	3.02	2.92
355	2.55	2.43	2.33
360	2.03	1.90	1.82
365	1.50	1.36	1.15
370	0.75	0.43	0.28

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