

Metal Shield Band Pass Filter

RBP-280+

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	103.23	90.18	98.52	0.00	0.00	0.00	0.00	0.00	0.00
50	92.29	92.06	87.14	0.01	0.01	0.02	0.00	0.01	0.01
100	89.45	89.64	91.89	0.00	0.04	0.06	0.01	0.03	0.05
150	68.73	68.96	69.09	0.04	0.09	0.11	0.05	0.09	0.10
160	63.02	62.11	61.50	0.06	0.12	0.14	0.07	0.10	0.13
170	56.04	56.01	55.60	0.07	0.14	0.17	0.09	0.13	0.17
185	46.78	46.54	46.13	0.15	0.22	0.27	0.15	0.21	0.26
200	36.29	35.88	35.48	0.27	0.37	0.44	0.30	0.39	0.46
205	32.38	31.96	31.52	0.35	0.46	0.54	0.39	0.51	0.60
220	18.85	18.32	17.77	0.97	1.23	1.45	1.19	1.51	1.81
228	10.28	9.94	9.58	2.76	3.43	4.01	3.60	4.63	5.64
230	8.28	8.08	7.88	3.89	4.72	5.42	5.26	6.74	8.18
236	4.31	4.70	4.95	9.49	9.56	9.49	20.38	19.01	16.68
240	3.53	4.01	4.34	10.33	9.96	9.77	14.18	12.70	11.88
250	2.75	3.16	3.45	12.77	13.33	13.85	12.10	12.38	12.68
260	2.25	2.65	2.94	28.23	30.60	32.64	18.75	18.83	19.09
280	2.20	2.65	3.00	16.34	15.27	14.47	17.04	16.01	15.05
300	2.68	3.17	3.53	11.56	11.59	11.60	10.60	10.51	10.42
310	2.76	3.29	3.71	15.13	15.29	15.49	13.10	13.31	13.57
326	4.27	5.24	6.03	10.56	9.84	9.30	13.68	12.63	11.74
340	11.94	13.14	14.11	2.61	2.77	2.82	2.71	2.83	2.87
350	18.95	19.94	20.78	1.31	1.50	1.62	1.27	1.44	1.53
360	25.08	25.91	26.60	0.83	1.02	1.12	0.79	0.93	1.02
375	32.64	33.30	33.83	0.52	0.67	0.76	0.48	0.61	0.67
390	38.56	39.06	39.55	0.37	0.52	0.60	0.35	0.47	0.53
400	41.73	42.25	42.69	0.32	0.46	0.53	0.30	0.40	0.46
420	47.24	47.61	48.10	0.24	0.37	0.44	0.22	0.33	0.38
500	60.23	60.91	60.44	0.12	0.25	0.32	0.10	0.21	0.26
600	70.02	70.27	73.25	0.09	0.23	0.30	0.07	0.19	0.24
700	78.22	79.21	79.29	0.08	0.24	0.31	0.06	0.21	0.26
800	81.46	81.29	102.73	0.08	0.25	0.35	0.06	0.21	0.27
900	82.91	78.87	78.19	0.09	0.27	0.36	0.06	0.23	0.29
1000	76.46	78.10	77.34	0.10	0.29	0.39	0.06	0.25	0.32
1200	75.35	74.04	76.24	0.11	0.33	0.44	0.06	0.28	0.37
1300	73.96	75.35	75.23	0.12	0.35	0.46	0.07	0.32	0.40
1400	72.64	72.34	72.98	0.14	0.37	0.48	0.08	0.32	0.43
1500	86.19	77.83	78.79	0.15	0.38	0.51	0.09	0.35	0.45
1600	79.90	73.82	76.05	0.17	0.41	0.54	0.08	0.35	0.47
1800	70.85	76.16	73.81	0.16	0.42	0.56	0.13	0.39	0.52
2000	55.95	63.83	58.55	0.17	0.42	0.57	0.16	0.41	0.57
2200	62.18	62.53	58.64	0.15	0.42	0.59	0.17	0.43	0.60
2300	58.34	65.91	64.99	0.13	0.43	0.59	0.18	0.46	0.63
2400	60.98	56.85	60.41	0.11	0.44	0.61	0.20	0.47	0.66
2500	55.05	54.88	54.08	0.13	0.44	0.60	0.21	0.46	0.69
2600	49.88	56.31	50.35	0.13	0.45	0.63	0.23	0.49	0.73
2800	44.59	49.65	47.41	0.14	0.44	0.65	0.26	0.53	0.77
3000	46.34	46.52	44.91	0.11	0.42	0.67	0.22	0.53	0.77
3200	44.62	43.97	45.93	0.16	0.50	0.73	0.25	0.62	0.89
3300	44.28	42.88	41.26	0.11	0.49	0.75	0.27	0.62	0.87
3400	40.59	39.27	39.65	0.10	0.49	0.75	0.20	0.61	0.86
3500	41.60	40.67	38.97	0.14	0.52	0.80	0.20	0.63	0.91
3600	39.91	40.05	38.71	0.12	0.52	0.80	0.27	0.73	0.97
3800	37.04	36.50	36.28	0.15	0.60	0.91	0.48	1.27	1.62
4000	33.34	32.73	32.90	0.23	0.68	1.08	1.34	1.43	1.60

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
260	14.34	14.22	14.15
262	14.08	13.98	13.91
264	13.80	13.73	13.68
266	13.60	13.54	13.50
268	13.41	13.35	13.34
270	13.22	13.18	13.16
272	13.07	13.05	13.03
274	12.96	12.96	12.93
276	12.85	12.81	12.78
278	12.73	12.70	12.65
280	12.63	12.59	12.55
282	12.53	12.46	12.42
284	12.41	12.34	12.29
286	12.31	12.26	12.22
288	12.22	12.14	12.11
290	12.16	12.11	12.08
292	12.09	12.06	12.05
294	12.08	12.07	12.07
296	12.10	12.10	12.12
298	12.17	12.22	12.26
300	12.28	12.35	12.43
310	13.64	13.82	13.98
320	16.24	16.39	16.53
330	17.96	17.33	16.80
340	12.88	12.16	11.53
350	7.57	7.31	7.13
360	4.96	4.84	4.73
370	3.37	3.37	3.28
375	2.91	2.89	2.88
380	2.46	2.50	2.43
385	2.20	2.16	2.19
390	2.01	2.00	1.99
395	1.88	1.84	1.91
400	1.77	1.72	1.67
405	1.67	1.71	1.75
410	1.70	1.63	1.63
415	1.39	1.35	1.42
420	1.23	1.46	1.38
425	1.25	1.10	1.48
430	0.98	1.07	1.08
440	0.76	0.99	0.80
450	0.96	0.83	0.70
455	0.70	0.59	0.78
460	0.89	0.80	0.76
470	1.03	0.98	1.03
475	0.52	1.20	0.93
480	0.98	0.85	1.00
490	1.04	0.20	0.93
495	0.11	0.24	0.00
500	0.42	0.09	0.40
510	0.68	0.04	0.71
515	0.37	1.01	0.07
520	0.91	0.96	1.29
530	0.12	0.15	0.02

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