

Surface Mount Band Pass Filter

BPF-A400+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURNLOSS (dB)		
	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C
0.5	109.27	93.90	97.19	0.01	0.00	0.01	0.01	0.01	0.01
20	94.84	93.32	87.13	0.01	0.01	0.00	0.01	0.01	0.01
50	91.72	89.38	86.63	0.00	0.01	0.02	0.02	0.04	0.06
100	88.07	87.62	107.68	0.00	0.03	0.04	0.15	0.20	0.22
150	89.91	92.24	94.92	0.02	0.05	0.07	0.37	0.45	0.51
200	91.00	91.84	92.89	0.04	0.07	0.10	0.69	0.80	0.88
250	95.01	91.67	89.71	0.07	0.11	0.14	0.99	1.17	1.31
300	63.82	63.60	63.79	0.15	0.19	0.22	1.22	1.46	1.69
310	57.82	57.14	56.95	0.17	0.23	0.25	1.27	1.53	1.75
320	51.14	50.95	50.65	0.21	0.28	0.31	1.30	1.57	1.80
330	44.52	44.15	43.74	0.26	0.34	0.38	1.32	1.61	1.86
340	36.93	36.50	36.02	0.35	0.45	0.50	1.37	1.68	1.94
350	28.30	27.75	27.15	0.54	0.67	0.77	1.46	1.79	2.08
360	17.93	17.27	16.55	1.09	1.38	1.65	1.87	2.30	2.70
370	6.40	6.18	5.95	5.02	6.46	8.02	5.61	6.99	8.31
375	3.30	3.59	3.80	13.74	16.57	19.64	14.93	17.21	18.45
380	2.49	2.90	3.19	22.55	23.63	24.79	29.49	25.80	24.35
390	2.16	2.56	2.88	23.53	21.69	19.90	22.63	22.28	22.30
395	2.17	2.58	2.90	16.69	16.01	15.34	17.58	17.41	17.39
400	2.21	2.62	2.95	14.54	14.33	14.07	15.50	15.55	15.61
405	2.25	2.66	2.99	14.29	14.33	14.29	15.15	15.29	15.30
410	2.31	2.74	3.10	14.46	14.58	14.61	15.33	15.40	15.22
420	2.98	3.57	4.10	10.35	10.11	9.81	11.77	11.54	11.16
430	6.25	7.14	7.92	3.92	3.90	3.85	5.19	5.39	5.56
440	12.39	13.31	14.13	1.45	1.58	1.67	2.74	3.13	3.48
450	18.38	19.24	19.99	0.75	0.88	0.98	2.06	2.46	2.81
460	23.50	24.26	24.98	0.49	0.61	0.71	1.82	2.20	2.51
470	27.81	28.56	29.25	0.37	0.48	0.57	1.70	2.06	2.36
480	31.45	32.16	32.83	0.29	0.40	0.47	1.63	1.97	2.25
490	34.61	35.33	35.98	0.25	0.35	0.42	1.61	1.94	2.20
500	37.43	38.13	38.82	0.22	0.32	0.40	1.60	1.92	2.17
550	47.71	48.55	49.16	0.16	0.25	0.31	1.81	2.14	2.37
600	55.56	55.89	56.33	0.15	0.25	0.29	2.51	3.01	3.47
650	63.07	63.52	64.23	0.17	0.26	0.31	3.96	4.81	5.66
700	73.60	76.21	84.02	0.16	0.26	0.30	4.09	4.60	4.87
750	76.71	75.65	73.91	0.18	0.26	0.30	2.70	3.03	3.28
800	73.52	74.49	74.94	0.19	0.27	0.32	1.94	2.30	2.61
850	75.25	72.38	76.46	0.19	0.27	0.31	1.66	2.00	2.29
900	76.48	71.43	79.32	0.19	0.26	0.31	1.25	1.60	1.87
950	72.58	73.21	72.70	0.21	0.29	0.32	1.08	1.40	1.65
1000	76.51	75.90	81.94	0.20	0.27	0.31	0.92	1.22	1.43
1050	79.65	86.36	86.11	0.21	0.29	0.32	0.87	1.15	1.33
1100	90.42	87.48	87.65	0.23	0.29	0.33	0.76	1.03	1.20
1150	78.25	82.61	74.26	0.23	0.28	0.33	0.69	0.94	1.11
1200	78.78	78.70	77.27	0.24	0.31	0.35	0.62	0.86	1.01
1250	72.64	74.02	71.14	0.23	0.31	0.35	0.55	0.79	0.93
1300	75.27	74.79	75.04	0.23	0.31	0.36	0.52	0.74	0.90
1350	63.18	66.91	63.45	0.23	0.31	0.37	0.48	0.70	0.85
1400	66.96	69.12	68.47	0.23	0.33	0.38	0.45	0.66	0.82
1500	61.28	65.42	62.19	0.25	0.38	0.44	0.39	0.61	0.74
1600	58.58	56.39	53.78	1.40	2.08	2.68	0.34	0.56	0.71
1700	59.20	58.47	62.42	0.58	0.71	0.76	0.30	0.50	0.66
1800	65.19	67.43	69.01	0.26	0.46	0.59	0.26	0.46	0.61
1900	56.71	63.09	54.73	0.32	0.53	0.71	0.24	0.42	0.58
2000	65.10	69.73	64.17	0.44	0.74	0.96	0.23	0.43	0.57

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Surface Mount Band Pass Filter

BPF-A400+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
390.00	18.60	18.33	18.15
390.50	18.46	18.24	18.06
391.00	18.35	18.16	17.93
391.50	18.24	18.01	17.88
392.00	18.13	17.91	17.69
392.50	17.97	17.83	17.64
393.00	17.88	17.61	17.49
393.50	17.77	17.51	17.42
394.00	17.57	17.42	17.18
394.50	17.35	17.27	17.12
395.00	17.41	17.19	16.99
395.50	17.16	17.13	16.89
396.00	17.12	17.03	16.84
396.50	17.09	16.97	16.86
397.00	17.06	16.87	16.80
397.50	16.96	16.88	16.79
398.00	16.97	16.81	16.76
398.50	16.78	16.73	16.65
399.00	16.74	16.65	16.61
399.50	16.70	16.72	16.62
400.00	16.59	16.54	16.53
400.50	16.64	16.53	16.53
401.00	16.74	16.63	16.64
401.50	16.61	16.63	16.60
402.00	16.60	16.54	16.51
402.50	16.60	16.55	16.53
403.00	16.52	16.52	16.49
403.50	16.49	16.55	16.53
404.00	16.58	16.55	16.59
404.50	16.58	16.60	16.59
405.00	16.56	16.62	16.73
405.50	16.61	16.69	16.75
406.00	16.61	16.64	16.72
406.50	16.65	16.71	16.72
407.00	16.69	16.71	16.81
407.50	16.75	16.83	16.81
408.00	16.76	16.84	16.92
408.50	16.78	16.91	16.97
409.00	16.87	16.92	17.01
409.50	16.90	17.07	17.19
410.00	17.01	17.05	17.23

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