

Surface Mount Band Pass Filter

BPF-C450+

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	87.31	86.82	93.63	0.01	0.01	0.01	0.01	0.00	0.01
10	64.89	65.00	64.90	0.00	0.00	0.00	0.01	0.01	0.01
20	59.26	59.10	59.15	0.00	0.00	0.00	0.00	0.02	0.02
30	55.90	55.95	56.02	0.00	0.00	0.00	0.00	0.03	0.05
40	53.98	54.00	53.86	0.00	0.01	0.01	0.01	0.05	0.07
50	52.93	52.71	52.83	0.00	0.01	0.01	0.03	0.07	0.10
100	54.91	55.09	55.24	0.01	0.03	0.04	0.16	0.21	0.24
150	54.63	54.64	54.70	0.05	0.08	0.10	0.24	0.30	0.34
200	44.48	44.60	44.72	0.12	0.16	0.17	0.28	0.37	0.44
250	57.04	58.15	59.32	0.20	0.25	0.27	0.40	0.56	0.66
300	41.60	42.21	42.83	0.31	0.39	0.43	0.67	0.83	0.94
310	47.59	45.41	43.52	0.36	0.44	0.49	0.68	0.84	0.95
320	30.54	29.92	29.24	0.41	0.51	0.57	0.68	0.85	0.96
330	21.89	21.45	20.92	0.51	0.63	0.72	0.72	0.91	1.04
340	15.17	14.79	14.30	0.75	0.92	1.07	0.90	1.13	1.31
350	9.40	9.09	8.66	1.45	1.73	2.02	1.52	1.86	2.18
355	6.89	6.66	6.31	2.22	2.59	3.01	2.23	2.66	3.11
360	4.76	4.64	4.41	3.50	4.00	4.58	3.43	3.98	4.58
365	3.12	3.12	3.02	5.54	6.15	6.90	5.33	5.98	6.72
370	2.02	2.12	2.13	8.52	9.20	10.08	8.04	8.73	9.55
380	1.06	1.23	1.33	18.16	18.61	19.31	15.36	15.74	16.32
390	0.82	0.99	1.10	25.01	25.50	25.63	19.34	19.71	20.20
400	0.74	0.89	1.00	21.28	22.39	23.48	19.33	20.28	21.37
410	0.67	0.83	0.93	21.92	23.19	24.49	20.99	22.41	24.03
420	0.62	0.78	0.88	25.25	26.27	26.59	25.33	27.15	28.27
430	0.59	0.76	0.87	27.40	26.57	24.97	28.78	28.02	25.96
440	0.59	0.76	0.86	23.21	22.71	21.76	23.20	22.73	21.72
450	0.62	0.78	0.88	19.64	19.77	19.58	19.26	19.43	19.26
460	0.64	0.80	0.90	17.62	18.10	18.46	17.17	17.69	18.08
470	0.66	0.81	0.90	16.74	17.44	18.21	16.28	17.04	17.88
480	0.66	0.81	0.90	16.76	17.61	18.71	16.33	17.29	18.58
490	0.65	0.81	0.90	17.58	18.53	19.83	17.30	18.51	20.23
500	0.64	0.80	0.91	19.08	19.96	20.94	19.18	20.65	22.50
510	0.63	0.81	0.94	20.30	20.48	20.22	21.30	22.25	22.36
520	0.68	0.87	1.01	18.84	18.27	17.38	20.03	19.60	18.49
550	1.18	1.41	1.58	10.21	10.12	9.94	10.14	10.07	9.81
580	1.90	2.09	2.21	7.01	7.23	7.49	6.77	7.01	7.22
600	1.76	1.94	2.03	8.20	8.77	9.52	8.07	8.72	9.52
610	1.46	1.69	1.87	11.72	12.83	14.23	12.12	13.78	16.14
620	1.51	1.96	2.39	16.99	14.72	12.60	22.84	17.97	14.30
625	2.04	2.64	3.26	10.97	9.54	8.23	11.64	10.04	8.48
640	6.46	7.31	8.19	2.84	2.80	2.69	2.57	2.52	2.36
650	10.50	11.31	12.16	1.51	1.63	1.68	1.19	1.29	1.30
700	28.60	29.23	29.89	0.59	0.75	0.85	0.22	0.36	0.43
750	47.02	47.78	48.68	0.51	0.65	0.73	0.11	0.25	0.33
760	52.44	53.75	54.86	0.50	0.64	0.71	0.10	0.24	0.32
800	54.93	54.42	54.01	0.47	0.59	0.66	0.06	0.21	0.29
850	50.38	50.20	50.24	0.42	0.53	0.60	0.04	0.19	0.27
900	49.62	49.46	49.37	0.36	0.47	0.55	0.02	0.18	0.26
950	49.57	49.17	49.42	0.33	0.44	0.51	0.00	0.17	0.26
1000	49.18	49.19	49.02	0.30	0.41	0.50	0.00	0.16	0.26
1050	48.95	49.00	49.00	0.28	0.40	0.50	0.01	0.17	0.27
1100	48.65	48.66	48.57	0.27	0.41	0.51	0.01	0.17	0.27
1150	48.08	48.01	48.01	0.26	0.41	0.53	0.01	0.18	0.28
1200	47.16	47.13	47.08	0.26	0.43	0.57	0.00	0.19	0.29

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
400	7.09	7.00	6.89
405	6.66	6.59	6.51
410	6.32	6.27	6.20
415	6.06	6.01	5.95
420	5.85	5.81	5.75
425	5.68	5.64	5.59
430	5.53	5.49	5.44
435	5.40	5.36	5.31
440	5.28	5.24	5.20
445	5.18	5.14	5.10
450	5.08	5.05	5.01
455	5.00	4.97	4.94
460	4.93	4.91	4.88
465	4.87	4.86	4.84
470	4.83	4.82	4.81
475	4.80	4.79	4.79
480	4.79	4.78	4.78
485	4.79	4.78	4.78
490	4.80	4.79	4.80
495	4.82	4.81	4.82
500	4.84	4.84	4.84
505	4.88	4.88	4.87
510	4.93	4.92	4.91

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