

Surface Mount Band Pass Filter

BPF-A1340+

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
1	92.58	106.09	97.94	0.00	0.00	0.00	0.00	0.00	0.01
5	82.43	85.62	83.58	0.00	0.00	0.00	0.00	0.00	0.01
55	64.32	64.14	63.89	0.01	0.03	0.03	0.02	0.02	0.04
80	61.21	61.31	61.38	0.02	0.04	0.06	0.02	0.02	0.05
180	56.53	56.74	56.80	0.08	0.14	0.17	0.00	0.06	0.10
280	58.79	59.14	59.41	0.18	0.25	0.28	0.02	0.11	0.16
380	69.35	69.06	68.90	0.28	0.36	0.40	0.06	0.17	0.22
480	52.93	53.14	53.32	0.35	0.46	0.50	0.10	0.23	0.29
580	53.25	53.53	53.72	0.43	0.56	0.65	0.16	0.31	0.36
680	48.79	49.05	49.06	0.63	0.84	1.01	0.24	0.41	0.48
750	61.48	57.85	53.99	1.44	1.88	2.22	0.34	0.58	0.72
800	34.91	31.42	28.99	3.01	3.62	4.04	0.64	1.08	1.45
820	17.46	16.05	14.95	2.63	3.20	3.60	1.19	1.94	2.59
830	11.89	10.99	10.36	2.68	3.34	3.80	1.94	2.98	3.81
860	3.32	3.64	3.84	6.07	6.57	6.86	7.87	8.58	8.66
900	1.81	2.06	2.19	8.64	9.45	10.15	8.94	9.79	10.56
1000	0.71	1.02	1.22	21.59	20.32	18.90	26.12	23.67	21.16
1100	0.76	1.02	1.18	14.02	15.21	16.12	14.25	15.21	15.97
1200	0.66	0.95	1.14	16.08	16.72	16.85	15.75	16.39	16.76
1300	0.56	0.89	1.11	23.75	21.73	19.99	22.10	21.16	19.94
1340	0.55	0.87	1.09	28.15	25.05	22.28	25.38	24.30	22.38
1400	0.55	0.88	1.09	24.79	25.62	23.81	24.35	25.65	24.55
1500	0.65	1.00	1.25	17.16	17.61	17.02	17.31	17.91	17.27
1600	0.77	1.14	1.43	14.70	14.94	14.55	14.74	15.01	14.42
1700	0.78	1.19	1.48	17.35	17.86	17.78	16.38	16.73	16.43
1800	0.94	1.40	1.75	16.58	15.92	14.87	14.75	14.73	14.03
1900	2.06	2.49	2.86	6.93	7.46	7.60	7.01	7.94	8.38
1950	2.75	3.12	3.43	5.27	5.91	6.34	5.77	6.98	8.01
2000	3.11	3.55	3.91	4.80	5.39	5.85	6.26	7.96	9.82
2080	4.92	6.36	7.73	3.34	3.15	2.97	6.47	6.12	5.43
2100	6.77	8.32	9.80	2.29	2.31	2.29	4.14	4.18	3.94
2140	11.71	13.11	14.42	1.11	1.38	1.56	1.72	2.19	2.43
2200	19.31	20.31	21.28	0.63	0.97	1.20	0.74	1.30	1.70
2300	30.12	30.85	31.48	0.48	0.81	1.03	0.41	0.94	1.37
2400	39.38	40.21	40.83	0.43	0.75	0.96	0.34	0.84	1.25
2500	48.36	49.43	50.20	0.40	0.72	0.92	0.31	0.80	1.19
2600	57.73	59.35	61.35	0.37	0.69	0.89	0.30	0.79	1.14
2700	84.67	91.77	73.45	0.35	0.67	0.86	0.31	0.79	1.11
2800	66.74	63.62	62.52	0.33	0.65	0.84	0.33	0.84	1.12
2900	58.21	57.39	56.65	0.31	0.63	0.82	0.38	0.94	1.21
3000	48.96	54.32	52.54	0.30	0.62	0.81	0.45	1.07	1.40
3100	52.18	49.66	47.16	0.29	0.60	0.79	0.58	1.37	1.78
3200	55.47	48.62	48.38	0.28	0.60	0.78	0.68	1.72	2.31
3300	49.87	46.98	44.23	0.29	0.59	0.80	0.95	2.39	3.72
3400	49.12	45.06	45.57	0.30	0.60	0.77	1.36	3.08	5.12
3500	41.44	42.66	48.82	0.28	0.59	0.77	1.88	3.58	4.86
3600	38.63	41.10	44.26	0.28	0.61	0.82	2.32	3.16	3.42
3700	34.21	37.37	40.81	0.33	0.65	0.81	1.92	2.62	2.44
3800	33.03	40.02	44.88	0.39	0.67	0.87	1.55	1.96	1.90
3900	33.83	41.15	42.65	0.44	0.72	0.93	0.91	1.56	1.64
4000	47.45	45.72	45.23	0.41	0.76	1.02	0.56	1.28	1.50
4100	48.21	49.89	58.43	0.44	0.78	0.98	0.37	1.11	1.45
4200	50.40	68.68	59.39	0.51	0.83	1.11	0.28	1.01	1.51
4300	59.98	48.65	37.96	0.62	0.96	1.33	0.26	0.97	1.62

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
1000	2.53	2.47	2.41
1020	2.32	2.27	2.23
1040	2.16	2.12	2.08
1050	2.09	2.06	2.03
1060	2.04	2.00	1.97
1070	1.98	1.95	1.92
1080	1.93	1.91	1.88
1100	1.85	1.83	1.80
1120	1.78	1.77	1.75
1140	1.73	1.71	1.69
1150	1.70	1.68	1.66
1160	1.68	1.66	1.64
1170	1.67	1.64	1.62
1180	1.65	1.63	1.60
1200	1.61	1.59	1.56
1220	1.59	1.56	1.53
1240	1.56	1.53	1.51
1250	1.55	1.52	1.49
1260	1.54	1.51	1.48
1270	1.53	1.50	1.48
1280	1.52	1.49	1.46
1300	1.50	1.47	1.44
1320	1.49	1.46	1.44
1340	1.47	1.45	1.42
1350	1.47	1.45	1.42
1360	1.46	1.44	1.42
1370	1.46	1.44	1.42
1380	1.46	1.44	1.42
1400	1.44	1.43	1.41
1420	1.44	1.42	1.40
1450	1.42	1.41	1.39
1460	1.43	1.41	1.39
1470	1.43	1.41	1.39
1480	1.42	1.40	1.38
1500	1.41	1.40	1.37
1520	1.41	1.39	1.37
1550	1.41	1.39	1.36
1560	1.41	1.39	1.37
1570	1.42	1.39	1.37
1580	1.42	1.40	1.37
1600	1.42	1.40	1.38
1620	1.43	1.41	1.39
1640	1.44	1.42	1.40
1650	1.45	1.43	1.41
1660	1.46	1.45	1.43
1670	1.47	1.46	1.45
1680	1.49	1.47	1.46
1700	1.51	1.50	1.48
1720	1.56	1.54	1.53
1750	1.61	1.59	1.58
1760	1.62	1.61	1.59
1770	1.65	1.64	1.62
1780	1.67	1.66	1.64
1800	1.72	1.69	1.67

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