

Surface Mount Band Pass Filter

BPF-A800+

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	105.17	95.00	93.76	0.00	0.01	0.01	0.00	0.01	0.00
10	103.11	93.09	97.65	0.01	0.01	0.00	0.00	0.01	0.00
50	92.54	87.06	84.88	0.01	0.01	0.02	0.01	0.02	0.04
100	93.70	89.01	93.32	0.01	0.03	0.05	0.00	0.04	0.07
150	90.68	92.68	89.47	0.02	0.05	0.07	0.00	0.05	0.10
200	99.15	95.86	91.21	0.03	0.08	0.10	0.02	0.09	0.13
250	86.14	91.05	84.57	0.05	0.10	0.12	0.02	0.10	0.14
300	89.22	87.79	83.01	0.06	0.12	0.17	0.06	0.15	0.19
350	81.70	85.36	83.42	0.08	0.13	0.17	0.08	0.17	0.21
400	84.97	88.92	82.74	0.10	0.16	0.21	0.09	0.18	0.22
450	104.52	82.26	82.21	0.13	0.21	0.25	0.10	0.21	0.24
500	82.56	80.11	80.54	0.15	0.23	0.29	0.12	0.23	0.26
560	79.42	82.49	84.43	0.20	0.29	0.34	0.14	0.25	0.28
570	80.68	84.94	90.33	0.20	0.30	0.36	0.14	0.25	0.28
580	82.47	92.30	84.16	0.23	0.32	0.37	0.14	0.25	0.29
590	88.02	89.95	98.38	0.24	0.34	0.38	0.14	0.27	0.30
600	82.62	82.11	80.73	0.24	0.34	0.40	0.15	0.27	0.30
650	58.47	57.84	57.54	0.36	0.48	0.54	0.19	0.32	0.36
660	54.35	53.56	53.13	0.39	0.52	0.58	0.19	0.33	0.38
670	49.91	49.05	48.49	0.44	0.57	0.64	0.22	0.36	0.41
680	45.40	44.37	43.57	0.49	0.64	0.71	0.24	0.40	0.45
690	40.67	39.60	38.56	0.56	0.73	0.83	0.28	0.45	0.52
700	35.47	34.24	33.09	0.66	0.85	0.98	0.34	0.54	0.63
710	29.40	27.96	26.62	0.77	1.03	1.21	0.45	0.71	0.88
725	17.76	15.83	14.14	1.33	1.89	2.45	1.26	2.16	3.18
740	6.15	7.09	7.64	4.80	4.42	4.33	12.18	7.00	5.29
750	7.48	8.04	8.17	3.18	3.60	4.07	2.81	2.83	2.88
760	7.45	7.53	7.41	3.39	4.21	4.98	2.32	2.78	3.19
775	5.00	5.04	4.99	5.50	7.03	8.36	4.15	5.31	6.45
795	2.56	3.11	3.49	17.83	20.78	20.77	18.01	23.81	24.77
798	2.48	3.08	3.52	21.59	23.00	21.71	24.24	26.19	20.47
800	2.44	3.09	3.56	23.74	23.77	22.40	28.80	23.38	18.29
802	2.44	3.13	3.63	24.99	24.52	23.60	27.40	20.78	16.63
805	2.47	3.22	3.78	25.91	26.83	27.14	22.51	17.96	14.61
820	4.01	5.55	6.86	11.40	9.37	8.10	8.24	6.40	5.14
835	10.36	12.27	13.82	2.86	2.89	2.88	1.88	1.79	1.66
850	17.58	19.08	20.31	1.30	1.54	1.67	0.72	0.86	0.89
900	33.57	34.40	35.02	0.51	0.73	0.85	0.25	0.43	0.49
950	42.80	43.27	43.77	0.39	0.56	0.67	0.22	0.41	0.49
1000	49.22	49.60	50.12	0.37	0.53	0.62	0.23	0.45	0.56
1100	56.58	57.16	57.17	0.41	0.57	0.64	0.53	0.86	1.11
1200	62.45	67.79	64.36	0.46	0.62	0.70	1.71	2.39	2.90
1300	70.93	73.36	70.71	0.54	0.70	0.81	1.29	1.63	1.77
1400	71.28	69.36	70.02	0.59	0.80	0.96	0.45	0.70	0.83
1500	57.43	66.00	62.74	0.64	0.90	1.11	0.24	0.48	0.63
1600	61.67	69.46	65.73	0.61	0.91	1.15	0.16	0.42	0.60
1700	66.55	69.46	65.20	0.58	0.88	1.12	0.14	0.42	0.62
1800	66.07	73.80	68.34	0.57	0.84	1.08	0.14	0.47	0.67
1900	77.15	78.61	84.14	0.52	0.79	1.00	0.15	0.49	0.74
2000	84.25	82.33	83.39	0.48	0.75	0.94	0.23	0.62	0.89
2100	82.87	77.09	90.88	0.45	0.69	0.88	0.39	0.85	1.22
2200	68.67	80.52	65.80	0.40	0.65	0.82	1.51	2.42	3.29
2300	62.19	64.91	58.34	0.38	0.62	0.80	2.21	2.49	2.60
2400	70.15	70.05	65.84	0.34	0.58	0.76	0.49	0.95	1.35
2500	59.38	68.80	61.72	0.31	0.56	0.74	0.32	0.84	1.33

REV. X1
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100105



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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
795.00	12.65	12.60	12.46
795.50	12.65	12.61	12.51
796.00	12.66	12.60	12.50
796.50	12.66	12.61	12.55
797.00	12.71	12.68	12.59
797.50	12.70	12.59	12.63
798.00	12.75	12.64	12.63
798.50	12.70	12.59	12.71
799.00	12.71	12.70	12.68
799.50	12.73	12.65	12.73
800.00	12.79	12.71	12.78
800.50	12.73	12.71	12.81
801.00	12.79	12.85	12.83
801.50	12.80	12.75	12.96
802.00	12.81	12.80	12.90
802.50	12.81	12.83	12.93
803.00	12.86	12.90	13.00
803.50	12.83	12.88	13.02
804.00	12.90	13.00	13.13
804.50	12.89	13.05	13.19
805.00	12.92	13.10	13.26

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