

Surface Mount Band Pass Filter

BPF-A580+

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	89.50	90.09	94.48	0.00	0.00	0.00	0.00	0.01	0.01
100	75.99	75.63	76.45	0.01	0.03	0.05	0.49	0.57	0.61
200	93.97	91.76	97.99	0.06	0.10	0.13	0.53	0.68	0.80
300	77.27	77.18	76.50	0.18	0.22	0.25	0.76	0.93	1.05
380	57.72	57.59	57.48	0.37	0.43	0.48	1.22	1.51	1.76
400	48.86	48.72	48.61	0.46	0.54	0.58	1.05	1.30	1.50
440	27.94	27.78	27.59	0.82	0.95	1.05	1.23	1.50	1.70
450	22.29	22.09	21.85	1.02	1.18	1.31	1.59	1.93	2.19
460	16.50	16.28	16.01	1.39	1.62	1.82	2.23	2.73	3.16
465	13.63	13.42	13.16	1.72	2.00	2.26	2.76	3.39	3.97
470	10.87	10.71	10.50	2.23	2.59	2.94	3.51	4.29	5.07
480	6.32	6.40	6.41	4.21	4.73	5.26	5.84	6.81	7.77
490	3.84	4.12	4.33	7.31	7.81	8.38	8.53	9.09	9.49
495	3.23	3.55	3.79	8.78	9.28	9.88	9.58	9.96	10.20
500	2.85	3.17	3.42	10.04	10.60	11.31	10.51	10.87	11.09
510	2.41	2.72	2.96	12.16	12.93	14.01	12.39	12.98	13.51
520	2.16	2.46	2.70	14.01	14.84	16.06	14.16	15.04	16.08
530	2.00	2.31	2.56	15.26	15.85	16.65	15.29	16.18	17.38
540	1.91	2.23	2.49	15.52	15.73	15.87	15.56	16.14	16.81
550	1.85	2.18	2.45	15.28	15.24	14.95	15.36	15.61	15.66
560	1.80	2.13	2.42	15.37	15.24	14.73	15.37	15.42	15.10
570	1.74	2.07	2.36	16.40	16.30	15.67	16.19	16.19	15.69
580	1.69	2.02	2.31	19.02	19.04	18.30	18.59	18.71	18.15
590	1.66	2.00	2.29	23.53	23.38	22.25	24.60	25.39	24.90
600	1.69	2.05	2.36	22.76	21.74	20.56	33.91	33.09	32.67
620	1.88	2.27	2.61	17.64	17.55	17.00	18.39	18.38	17.98
630	1.98	2.40	2.76	20.46	21.54	22.19	17.67	17.88	17.81
640	2.27	2.76	3.19	17.26	17.00	17.12	14.28	14.07	13.97
650	3.08	3.69	4.24	9.49	9.22	9.00	8.95	8.81	8.66
660	4.39	5.06	5.68	5.67	5.66	5.58	5.72	5.82	5.80
670	5.42	6.00	6.58	4.33	4.55	4.64	4.58	4.93	5.09
680	5.16	5.78	6.48	5.69	6.38	6.68	6.70	7.96	8.75
690	7.55	9.64	11.48	4.98	4.13	3.63	7.27	5.91	5.17
700	17.04	18.98	20.66	1.53	1.65	1.71	2.06	2.24	2.33
720	32.56	33.99	35.24	0.92	1.09	1.19	1.12	1.35	1.49
750	49.84	50.96	51.81	0.87	1.03	1.15	0.89	1.10	1.23
760	54.87	55.80	56.90	0.89	1.06	1.18	0.87	1.07	1.19
800	73.13	71.72	74.01	1.04	1.25	1.44	0.83	1.03	1.17
900	77.73	77.41	78.22	1.08	1.37	1.61	1.02	1.31	1.58
1000	72.12	72.37	72.74	0.68	0.88	1.03	1.56	2.04	2.45
1100	74.95	75.29	76.58	0.53	0.67	0.78	2.21	2.62	2.91
1200	70.17	85.61	64.90	0.48	0.61	0.71	1.95	2.30	2.62
1300	70.10	70.89	68.65	0.46	0.63	0.75	5.02	7.21	9.42
1400	60.20	57.51	60.80	0.49	0.71	0.89	1.37	1.68	1.94
1500	62.77	65.46	64.99	0.53	0.82	1.06	0.87	1.21	1.48
1600	66.25	71.15	70.90	0.57	0.91	1.20	0.71	1.06	1.33
1700	74.98	74.31	77.03	0.60	0.94	1.25	0.62	0.97	1.25
1800	82.67	80.37	87.00	0.60	0.93	1.25	0.54	0.90	1.18
1900	75.97	74.50	75.93	0.58	0.89	1.20	0.49	0.83	1.12
2000	86.61	88.31	84.08	0.55	0.85	1.13	0.44	0.78	1.06
2100	95.23	91.76	81.49	0.52	0.81	1.08	0.40	0.72	1.01
2200	74.84	77.32	77.74	0.49	0.76	1.01	0.35	0.68	0.96
2300	79.70	66.68	73.41	0.46	0.73	0.96	0.33	0.64	0.91
2400	67.76	65.66	68.44	0.44	0.70	0.92	0.30	0.60	0.86
2500	63.81	61.87	61.77	0.42	0.68	0.89	0.26	0.57	0.81

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
520	9.58	9.55	9.51
521	9.52	9.48	9.45
522	9.46	9.41	9.38
523	9.39	9.35	9.32
524	9.34	9.28	9.27
525	9.27	9.23	9.20
526	9.22	9.18	9.16
527	9.17	9.12	9.10
528	9.10	9.07	9.03
529	9.05	9.01	8.99
530	8.99	8.96	8.94
531	8.94	8.91	8.88
532	8.90	8.86	8.84
533	8.85	8.81	8.78
534	8.80	8.76	8.73
535	8.75	8.72	8.68
536	8.72	8.68	8.65
537	8.67	8.64	8.61
538	8.63	8.59	8.57
539	8.59	8.56	8.53
540	8.56	8.53	8.50
541	8.52	8.49	8.46
542	8.50	8.46	8.44
543	8.45	8.42	8.39
544	8.42	8.40	8.36
545	8.39	8.36	8.32
546	8.36	8.33	8.29
547	8.33	8.30	8.25
548	8.31	8.28	8.25
549	8.27	8.24	8.20
550	8.25	8.22	8.18
551	8.22	8.19	8.16
552	8.20	8.18	8.14
553	8.17	8.15	8.11
554	8.14	8.13	8.09
555	8.11	8.10	8.05
560	8.09	8.08	8.05
565	8.07	8.07	8.04
570	8.07	8.07	8.05
575	8.07	8.07	8.07
580	8.09	8.10	8.11
585	8.13	8.15	8.16
590	8.18	8.20	8.22
595	8.24	8.27	8.30
600	8.32	8.35	8.38
605	8.41	8.45	8.48
610	8.53	8.58	8.62
615	8.69	8.75	8.80
620	8.91	8.98	9.05
625	9.17	9.26	9.34
630	9.48	9.57	9.66
635	9.79	9.87	9.96
640	10.07	10.14	10.22

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