

Surface Mount Band Pass Filter

BPF-A730+

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	92.80	88.44	99.26	0.00	0.00	0.00	0.00	0.00	0.00
20	92.76	95.62	90.98	0.00	0.01	0.01	0.00	0.01	0.01
50	91.87	99.23	99.03	0.01	0.02	0.02	0.02	0.01	0.04
75	92.70	98.00	93.74	0.01	0.02	0.03	0.02	0.02	0.05
100	99.89	96.48	95.01	0.01	0.03	0.04	0.01	0.03	0.05
150	99.64	95.33	101.01	0.01	0.04	0.07	0.02	0.04	0.09
200	95.07	100.37	92.90	0.02	0.06	0.09	0.01	0.06	0.11
250	105.34	98.09	95.33	0.03	0.08	0.11	0.00	0.08	0.14
300	93.61	90.84	89.79	0.06	0.11	0.15	0.01	0.10	0.17
350	88.45	95.11	90.73	0.08	0.14	0.18	0.03	0.14	0.20
400	85.05	83.52	86.68	0.10	0.17	0.22	0.05	0.17	0.24
450	82.74	84.51	81.61	0.15	0.23	0.28	0.10	0.22	0.29
500	81.83	83.99	82.10	0.24	0.34	0.40	0.15	0.30	0.37
550	64.56	63.04	61.52	0.49	0.65	0.80	0.29	0.46	0.55
575	49.00	47.72	45.95	0.82	1.10	1.42	0.42	0.63	0.77
590	39.92	38.60	36.74	1.13	1.56	2.05	0.55	0.81	1.01
600	33.93	32.62	30.81	1.37	1.89	2.46	0.68	1.00	1.27
610	28.11	26.87	25.15	1.56	2.13	2.67	0.87	1.27	1.67
620	22.53	21.38	19.79	1.65	2.22	2.69	1.14	1.70	2.33
630	17.19	16.16	14.74	1.73	2.31	2.79	1.59	2.41	3.41
640	12.09	11.29	10.22	2.04	2.76	3.44	2.42	3.64	5.07
655	5.75	5.63	5.34	4.28	5.56	7.05	5.46	7.45	9.39
670	2.58	3.02	3.29	11.76	14.21	17.41	13.96	17.75	22.11
680	1.97	2.55	3.01	20.23	18.69	15.64	39.05	24.99	18.17
690	1.87	2.51	3.02	15.34	13.60	11.86	17.15	15.34	13.21
700	1.92	2.54	3.02	12.14	11.42	10.69	13.22	12.65	11.75
710	1.95	2.53	2.94	11.07	10.90	10.87	11.97	11.96	11.83
720	1.93	2.48	2.82	10.97	11.24	11.84	11.69	12.10	12.70
730	1.90	2.41	2.73	11.36	11.97	13.14	11.72	12.44	13.72
740	1.87	2.38	2.69	11.81	12.70	14.21	11.72	12.62	14.24
750	1.87	2.38	2.72	12.03	13.07	14.57	11.53	12.52	14.15
760	1.90	2.42	2.78	11.93	13.05	14.36	11.30	12.43	14.03
770	1.92	2.47	2.87	11.98	13.32	14.59	11.51	13.03	15.07
780	1.91	2.52	3.03	13.23	15.04	16.02	13.35	16.19	20.72
795	2.16	3.22	4.29	15.94	12.72	9.97	24.12	16.03	12.15
810	4.75	6.60	8.39	5.20	4.49	3.86	5.53	4.85	4.29
820	8.16	10.14	12.05	2.52	2.50	2.39	2.60	2.66	2.62
830	11.89	13.80	15.65	1.46	1.65	1.71	1.46	1.73	1.87
840	15.41	17.21	18.98	0.99	1.24	1.36	0.97	1.30	1.49
850	18.62	20.31	21.99	0.74	1.01	1.15	0.71	1.05	1.26
910	32.58	33.88	35.21	0.35	0.59	0.72	0.29	0.60	0.80
950	38.80	39.99	41.19	0.28	0.51	0.64	0.23	0.52	0.70
1000	44.69	45.77	46.86	0.25	0.46	0.58	0.19	0.47	0.65
1050	49.28	50.31	51.21	0.23	0.44	0.55	0.17	0.45	0.61
1100	52.91	53.94	54.78	0.23	0.43	0.54	0.17	0.44	0.59
1200	59.39	60.42	61.09	0.23	0.41	0.51	0.16	0.43	0.57
1300	64.31	65.41	66.51	0.23	0.40	0.49	0.15	0.42	0.56
1350	64.61	66.51	67.92	0.23	0.40	0.49	0.16	0.41	0.56
1400	61.82	63.27	64.21	0.24	0.40	0.49	0.15	0.40	0.56
1450	64.32	63.64	65.36	0.23	0.39	0.48	0.14	0.40	0.56
1500	71.27	69.52	72.53	0.23	0.39	0.48	0.14	0.39	0.56
1550	74.84	61.75	63.38	0.23	0.38	0.47	0.14	0.39	0.56
1600	60.35	60.91	58.34	0.23	0.38	0.46	0.13	0.39	0.56
1700	67.96	65.73	64.52	0.22	0.36	0.46	0.11	0.37	0.55
1800	60.04	55.28	53.85	0.21	0.36	0.46	0.10	0.36	0.56

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
670	13.37	12.88	12.34
674	12.78	12.30	11.75
675	12.64	12.16	11.60
678	12.17	11.69	11.14
680	11.85	11.40	10.85
684	11.24	10.82	10.30
685	11.10	10.68	10.16
688	10.68	10.29	9.80
690	10.41	10.04	9.59
694	9.95	9.63	9.23
695	9.84	9.52	9.15
698	9.54	9.26	8.95
700	9.37	9.12	8.83
704	9.09	8.87	8.65
705	9.02	8.83	8.61
706	8.96	8.77	8.57
708	8.86	8.68	8.51
710	8.74	8.60	8.46
714	8.58	8.47	8.38
715	8.53	8.44	8.36
716	8.51	8.43	8.36
718	8.46	8.38	8.33
720	8.39	8.32	8.30
724	8.28	8.25	8.25
725	8.26	8.23	8.24
726	8.27	8.23	8.24
728	8.21	8.20	8.22
730	8.17	8.17	8.20
734	8.13	8.14	8.18
735	8.11	8.13	8.17
736	8.10	8.11	8.17
738	8.08	8.10	8.15
740	8.04	8.07	8.12
744	8.01	8.05	8.11
745	8.01	8.05	8.11
748	7.98	8.03	8.10
750	7.97	8.03	8.10
754	7.96	8.04	8.13
755	7.96	8.04	8.14
758	7.95	8.04	8.16
760	7.97	8.07	8.20
764	8.00	8.14	8.29
765	8.02	8.15	8.33
768	8.05	8.24	8.43
770	8.11	8.32	8.55
774	8.26	8.51	8.80
775	8.30	8.58	8.88
778	8.48	8.81	9.16
780	8.63	8.99	9.37
784	9.01	9.41	9.81
785	9.13	9.54	9.94
788	9.50	9.92	10.28
790	9.78	10.17	10.46
794	10.35	10.60	10.69
795	10.50	10.68	10.70

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