

Ceramic Band Pass Filter

BFCN-2975+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURN LOSS (dB)		
	@ -55° C	@ +25° C	@ +100° C	@ -55° C	@ +25° C	@ +100° C	@ -55° C	@ +25° C	@ +100° C
10	73.20	79.34	84.63	0.02	0.01	0.00	0.01	0.01	0.01
50	82.91	80.23	81.35	0.00	0.01	0.01	0.02	0.01	0.01
100	73.50	74.15	75.22	0.00	0.00	0.01	0.01	0.00	0.00
500	59.72	59.80	59.69	0.03	0.06	0.06	0.03	0.06	0.08
1000	46.10	46.07	45.78	0.12	0.16	0.15	0.13	0.19	0.23
1100	42.65	42.75	42.67	0.15	0.18	0.17	0.16	0.22	0.26
1200	39.75	39.75	39.59	0.18	0.21	0.20	0.18	0.24	0.29
1300	36.89	36.75	36.52	0.20	0.23	0.23	0.21	0.27	0.32
1400	33.96	33.75	33.45	0.21	0.26	0.26	0.22	0.29	0.35
1500	30.17	30.87	30.23	0.24	0.29	0.29	0.28	0.34	0.40
1600	28.45	28.35	28.17	0.27	0.32	0.33	0.30	0.38	0.44
1700	25.75	25.60	25.30	0.28	0.34	0.36	0.31	0.40	0.46
1800	22.86	22.76	22.39	0.34	0.39	0.41	0.38	0.45	0.53
1900	20.11	20.00	19.61	0.39	0.48	0.50	0.40	0.50	0.60
2000	17.27	17.12	16.82	0.49	0.58	0.61	0.48	0.61	0.72
2150	12.99	12.75	12.43	0.73	0.85	0.93	0.75	0.92	1.07
2300	8.53	8.32	8.04	1.35	1.57	1.79	1.43	1.71	2.00
2400	5.61	5.41	5.23	2.42	2.79	3.10	2.61	3.06	3.49
2500	3.09	3.00	2.94	4.80	5.46	6.01	5.30	6.11	6.86
2570	1.87	1.90	1.93	7.99	8.77	9.51	9.18	10.36	11.50
2600	1.53	1.61	1.67	9.79	10.55	11.31	11.72	13.11	14.59
2700	1.08	1.24	1.36	13.51	13.55	13.48	18.52	18.65	18.07
2850	1.37	1.53	1.68	9.31	9.39	9.21	9.79	9.86	9.71
2975	1.62	1.80	1.95	7.97	8.14	8.22	8.00	8.09	8.21
3000	1.70	1.85	1.97	7.91	8.13	8.24	7.93	8.03	8.16
3250	1.42	1.58	1.72	11.05	11.62	12.00	10.07	10.31	10.63
3400	1.40	1.64	1.85	17.53	18.30	18.74	11.96	11.94	11.81
3440	1.58	1.88	2.16	15.61	15.39	14.84	10.76	10.45	10.13
3500	2.11	2.56	2.99	11.04	10.39	9.75	8.04	7.50	7.05
3600	4.07	4.84	5.60	5.80	5.41	5.10	4.12	3.76	3.52
3700	7.62	8.61	9.65	3.22	3.21	3.13	1.98	1.94	2.00
3850	15.46	16.68	17.90	1.83	1.97	2.13	0.86	1.01	1.17
4000	27.33	29.04	30.59	1.32	1.52	1.61	0.60	0.78	1.01
4500	29.30	29.28	29.69	0.92	0.89	0.91	0.50	0.68	0.87
5000	41.75	42.56	41.28	0.64	0.64	0.70	0.45	0.62	0.74
5300	51.16	47.71	45.17	0.64	0.65	0.84	0.42	0.58	0.69
5500	40.82	40.12	40.45	0.50	0.61	0.68	0.40	0.57	0.68
6000	33.25	33.87	34.54	0.93	0.80	0.94	0.46	0.62	0.75
6500	38.25	34.84	34.71	0.40	0.61	0.80	0.44	0.67	0.87
7000	29.38	29.20	34.76	0.63	0.77	0.75	0.63	0.87	0.97
7500	25.70	26.37	26.45	0.79	0.74	0.67	0.75	1.02	1.09
8000	24.02	25.27	22.38	0.58	0.60	1.04	0.78	1.03	1.62
9000	18.26	18.85	19.79	0.72	0.73	0.56	1.30	1.55	1.20
10000	16.77	16.42	16.27	0.50	0.92	1.22	1.08	1.40	1.38
11000	13.11	13.37	13.33	0.65	0.96	0.94	1.52	1.61	1.69
12000	9.35	9.65	9.82	1.29	1.58	1.93	1.83	2.32	2.94
13000	8.75	9.30	10.22	1.63	2.40	1.88	2.02	2.34	2.21
14000	11.97	12.23	12.09	1.67	2.26	2.66	1.28	1.62	2.03
15000	13.53	15.50	15.48	3.55	5.26	5.10	1.62	1.90	2.24
16000	16.01	19.14	20.46	3.06	2.77	2.56	1.75	1.96	2.20
17000	17.63	19.45	19.05	1.60	2.60	1.96	1.52	2.07	3.07
18000	21.49	21.00	22.00	0.73	1.55	1.35	1.76	2.08	2.00
19000	19.88	18.91	17.92	0.39	1.46	2.82	1.17	2.05	2.73
20000	24.98	25.67	25.26	2.83	3.54	3.86	4.70	5.03	4.66

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -55° C	@ +25° C	@ +100° C
2570	1.03	1.01	0.98
2590	1.03	1.00	0.98
2600	1.02	0.99	0.98
2610	1.02	0.99	0.97
2640	1.00	0.97	0.94
2650	0.99	0.96	0.94
2660	0.98	0.95	0.92
2680	0.95	0.93	0.82
2690	0.94	0.91	0.91
2700	0.93	0.90	0.88
2710	0.93	0.90	0.87
2730	0.90	0.87	0.85
2740	0.88	0.86	0.83
2750	0.87	0.85	0.83
2770	0.84	0.82	0.80
2790	0.82	0.80	0.80
2800	0.81	0.79	0.78
2810	0.80	0.78	0.77
2840	0.78	0.76	0.76
2850	0.77	0.76	0.74
2860	0.76	0.74	0.71
2880	0.72	0.74	0.72
2890	0.78	0.73	0.71
2900	0.73	0.72	0.69
2910	0.73	0.72	0.71
2930	0.74	0.71	0.71
2950	0.69	0.71	0.72
2980	0.73	0.70	0.69
3000	0.68	0.67	0.68
3040	0.71	0.69	0.58
3060	0.66	0.67	0.65
3080	0.73	0.70	0.68
3100	0.74	0.71	0.71
3110	0.74	0.72	0.71
3140	0.72	0.72	0.73
3150	0.72	0.73	0.64
3180	0.75	0.74	0.74
3200	0.77	0.76	0.78
3210	0.77	0.77	0.78
3240	0.77	0.79	0.82
3250	0.79	0.81	0.79
3260	0.83	0.82	0.83
3280	0.83	0.83	0.82
3300	0.85	0.86	0.89
3320	0.94	0.87	0.92
3340	0.92	0.90	0.88
3350	0.92	0.92	0.88
3360	0.92	0.93	0.97
3380	0.95	0.97	0.97
3400	0.98	0.99	1.03
3410	1.00	1.00	1.03
3420	1.00	1.01	1.04
3440	1.05	1.04	1.11

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