

LTCC Bandpass Filter

Typical Performance Data

BFCV-1412+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	96.97	90.35	94.59	0.04	0.06	0.13
0.5	83.98	83.12	82.59	0.10	0.13	0.22
1.0	77.91	77.01	78.06	0.08	0.12	0.22
1.5	74.42	73.97	73.77	0.02	0.06	0.17
2.0	72.31	71.90	71.84	-0.05	-0.01	0.11
2.5	71.25	70.84	70.52	-0.08	-0.02	0.11
3.0	70.85	70.91	71.20	-0.05	0.02	0.16
3.5	71.18	71.65	71.58	0.03	0.09	0.23
4.0	74.17	74.74	74.66	0.10	0.15	0.29
4.5	83.35	86.66	89.21	0.13	0.18	0.33
5.0	76.39	75.60	74.77	0.14	0.17	0.33
5.5	66.47	65.82	65.27	0.15	0.18	0.36
6.0	59.92	59.49	59.21	0.18	0.21	0.41
6.5	55.06	54.76	54.36	0.17	0.20	0.41
7.0	51.02	50.71	50.31	0.11	0.13	0.36
7.5	47.37	47.03	46.66	0.05	0.07	0.31
8.0	43.96	43.67	43.34	0.01	0.06	0.31
8.5	40.89	40.68	40.41	0.07	0.15	0.40
9.0	38.76	38.67	38.69	0.12	0.23	0.48
9.5	39.23	39.72	40.90	0.14	0.25	0.51
10.0	47.51	41.01	35.61	0.20	0.30	0.61
10.5	21.44	19.12	16.55	0.42	0.55	1.02
11.0	7.43	6.12	5.04	1.77	2.44	3.66
11.2	4.31	3.58	3.09	3.09	4.08	5.63
11.4	2.33	2.03	1.94	6.20	7.56	9.60
11.6	1.46	1.34	1.41	8.62	10.33	12.83
11.8	0.92	0.92	1.11	15.01	18.45	22.61
12.0	0.72	0.78	1.04	19.54	21.32	19.18
12.2	0.68	0.78	1.07	18.61	16.89	15.50
12.4	0.75	0.85	1.16	14.25	13.83	13.13
12.6	0.82	0.90	1.19	11.77	12.01	12.31
12.8	0.90	0.97	1.25	11.15	11.76	12.08
13.0	0.89	0.94	1.19	10.99	12.02	13.08
13.2	0.88	0.95	1.20	11.93	13.00	13.96
13.4	0.80	0.87	1.13	13.43	15.05	17.17
13.6	0.76	0.85	1.14	16.02	17.50	19.95
13.8	0.72	0.83	1.15	20.61	23.37	28.23
14.0	0.71	0.84	1.20	29.51	35.97	32.31
14.2	0.77	0.92	1.32	25.10	22.72	19.51
14.4	0.83	1.00	1.41	21.15	20.32	18.69
14.6	0.99	1.17	1.60	16.09	15.62	15.13
14.8	1.07	1.24	1.70	15.80	15.97	16.39
15.0	1.24	1.42	1.92	14.15	14.67	15.74
15.2	1.31	1.53	2.10	16.59	18.16	20.56
15.4	1.47	1.77	2.54	17.86	19.31	19.72
15.8	2.20	3.04	4.99	19.09	16.46	13.98
16.0	3.31	5.11	8.87	15.75	11.07	7.60
15.5	1.58	1.95	2.85	20.58	21.47	20.14
17.0	36.96	42.51	50.14	1.19	1.16	1.50
17.5	61.94	68.11	68.18	0.52	0.62	1.06
18.0	59.48	58.06	56.64	0.24	0.42	0.87
18.5	55.14	55.05	55.51	0.19	0.34	0.75
19.0	55.88	56.68	58.09	0.26	0.31	0.66
19.5	60.13	61.80	65.05	0.24	0.23	0.65
20.0	71.04	77.48	74.27	0.28	0.26	0.68
20.5	67.68	64.65	61.99	0.26	0.28	0.72
21.0	59.77	58.55	57.48	0.12	0.20	0.64
21.5	55.91	55.31	54.70	-0.09	0.04	0.46
22.0	53.58	53.16	52.99	-0.22	-0.11	0.32
22.5	52.41	51.93	51.89	-0.08	-0.13	0.29
23.0	51.78	51.33	51.42	0.13	-0.05	0.37
23.5	51.32	50.88	50.98	0.25	0.02	0.44
24.0	50.91	50.51	50.58	0.28	0.05	0.46
24.5	50.55	50.08	50.26	0.32	0.11	0.48
25.0	49.97	49.56	49.76	0.28	0.12	0.48
25.5	49.63	49.29	49.46	0.17	0.09	0.42
26.0	49.41	49.17	49.44	0.02	0.03	0.34
26.5	49.46	49.33	49.82	-0.03	-0.03	0.29
27.0	50.00	50.02	50.73	-0.03	-0.03	0.31
27.5	50.85	51.00	52.21	-0.03	-0.02	0.37
28.0	52.09	53.09	54.72	-0.09	0.00	0.43
28.5	55.33	57.28	63.26	-0.15	-0.01	0.42
29.0	66.49	67.96	57.07	-0.18	-0.07	0.33