

LTCC Bandpass Filter

Typical Performance Data

BFCV-1332+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	90.44	101.21	97.25	0.04	0.05	0.11
0.5	83.52	83.32	83.96	0.12	0.13	0.21
1.0	77.53	76.54	76.98	0.09	0.11	0.19
1.5	74.53	74.17	74.49	0.02	0.04	0.13
2.0	72.07	72.10	72.48	-0.05	-0.03	0.06
2.5	71.42	71.30	71.26	-0.08	-0.06	0.05
3.0	71.03	70.83	71.29	-0.05	-0.02	0.09
3.5	72.19	72.24	72.48	0.03	0.05	0.17
4.0	77.40	78.56	78.40	0.10	0.13	0.24
4.5	87.27	85.72	82.40	0.13	0.17	0.29
5.0	70.00	69.25	68.43	0.16	0.18	0.31
5.5	62.49	61.96	61.37	0.19	0.21	0.35
6.0	56.82	56.42	55.93	0.22	0.23	0.38
6.5	52.39	52.02	51.51	0.20	0.21	0.35
7.0	48.67	48.31	47.80	0.12	0.12	0.27
7.5	45.39	45.05	44.57	0.06	0.07	0.23
8.0	42.71	42.50	42.15	0.09	0.10	0.28
8.5	41.51	41.62	41.83	0.21	0.24	0.42
9.0	48.63	52.60	53.43	0.29	0.35	0.54
9.5	31.15	28.56	25.57	0.34	0.42	0.66
10.0	13.97	11.76	9.05	0.84	1.20	2.11
10.2	7.54	5.75	3.84	2.15	3.28	5.83
10.4	2.86	2.14	1.65	6.66	10.15	16.02
10.6	1.24	1.27	1.29	20.26	20.15	16.85
10.8	1.15	1.23	1.24	13.53	12.82	12.83
11.0	1.08	1.12	1.09	13.69	14.17	15.77
11.2	1.00	1.00	0.97	13.40	14.40	16.41
11.4	0.87	0.90	0.91	18.96	20.41	22.16
11.6	0.82	0.86	0.89	18.80	18.79	17.62
11.8	0.85	0.90	0.95	18.34	17.19	16.16
12.0	0.89	0.96	1.00	14.89	14.17	13.49
12.2	0.99	1.04	1.04	13.05	13.01	13.32
12.4	1.04	1.08	1.09	11.89	12.03	12.25
12.6	1.05	1.08	1.06	11.98	12.48	13.34
12.8	1.06	1.11	1.08	11.77	12.24	13.02
13.0	1.00	1.04	1.00	13.15	14.02	15.64
13.2	0.99	1.06	1.02	13.67	14.15	15.44
13.4	0.90	0.97	0.96	16.63	17.74	20.38
13.6	0.90	0.98	0.99	17.48	18.08	20.19
13.8	0.87	0.97	1.00	23.94	25.90	32.53
14.0	0.89	1.00	1.06	24.21	26.97	31.29
14.2	0.92	1.07	1.16	37.42	29.45	25.99
14.4	0.98	1.14	1.26	35.13	27.72	24.64
14.6	1.11	1.31	1.46	21.24	19.33	19.00
14.8	1.23	1.43	1.63	20.81	19.08	18.48
15.0	1.43	1.66	1.90	16.96	16.63	17.30
15.2	1.60	1.87	2.19	17.64	17.58	18.07
15.4	1.85	2.17	2.62	17.48	18.65	20.59
15.6	2.13	2.59	3.37	18.66	19.25	18.41
15.8	2.58	3.37	5.02	20.83	19.20	14.13
16.0	3.64	5.46	9.19	14.44	10.30	6.82
16.5	17.30	22.67	29.69	2.81	2.44	2.32
17.0	41.19	47.85	55.92	1.27	1.12	1.27
17.5	71.12	70.49	62.27	0.66	0.60	0.85
18.0	57.21	55.96	55.12	0.45	0.45	0.70
18.5	54.84	54.96	55.66	0.39	0.38	0.60
19.0	57.07	58.05	59.80	0.36	0.32	0.53
19.5	62.99	65.42	70.03	0.36	0.28	0.53
20.0	82.67	75.27	67.95	0.35	0.27	0.54
20.5	64.69	62.16	60.10	0.33	0.26	0.54
21.0	58.81	57.69	56.19	0.27	0.18	0.42
21.5	55.55	54.82	54.00	0.12	0.02	0.24
22.0	53.59	53.11	52.56	-0.01	-0.11	0.11
22.5	52.58	52.11	51.77	-0.02	-0.11	0.11
23.0	52.02	51.65	51.37	0.09	0.01	0.22
23.5	51.56	51.28	51.05	0.24	0.14	0.34
24.0	51.25	50.91	50.68	0.37	0.25	0.44
24.5	50.93	50.63	50.43	0.46	0.33	0.50
25.0	50.51	50.26	50.00	0.49	0.35	0.50
25.5	50.26	50.03	49.77	0.42	0.26	0.40
26.0	49.98	49.77	49.71	0.24	0.07	0.22
26.5	50.04	50.04	50.10	0.07	-0.14	0.06
27.0	50.72	50.85	51.18	-0.04	-0.24	0.00
27.5	51.86	52.43	53.78	-0.05	-0.24	0.05
28.0	54.73	56.52	60.59	-0.01	-0.15	0.19