

LTCC Bandpass Filter

Typical Performance Data

BFCV-1272+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	100.09	92.37	93.29	0.03	0.05	0.10
0.5	81.29	81.51	81.12	0.09	0.12	0.19
1.0	76.34	76.88	76.72	0.07	0.10	0.18
1.5	73.89	74.01	74.17	-0.01	0.04	0.12
2.0	72.58	72.02	72.42	-0.09	-0.03	0.05
2.5	72.27	72.44	72.42	-0.14	-0.06	0.04
3.0	74.57	74.82	74.82	-0.12	-0.03	0.07
3.5	85.09	86.98	90.22	-0.05	0.04	0.14
4.0	74.15	73.95	72.75	0.03	0.11	0.21
4.5	64.91	64.51	63.72	0.07	0.14	0.25
5.0	58.56	58.13	57.71	0.09	0.15	0.27
5.5	53.29	52.94	52.48	0.11	0.17	0.30
6.0	48.64	48.27	47.92	0.11	0.17	0.32
6.5	44.51	44.15	43.81	0.07	0.13	0.28
7.0	40.94	40.55	40.23	-0.01	0.06	0.21
7.5	37.79	37.48	37.19	-0.04	0.06	0.22
8.0	35.88	35.85	35.98	0.04	0.18	0.36
8.5	42.84	47.14	44.62	0.24	0.41	0.64
9.0	19.94	17.19	13.76	0.54	0.85	1.41
9.2	10.85	8.37	5.50	1.32	2.25	4.53
9.4	3.41	2.35	1.82	5.60	9.60	15.79
9.6	1.25	1.42	1.69	14.37	11.75	9.99
9.8	1.39	1.50	1.67	9.15	8.99	9.05
10.0	1.39	1.40	1.44	8.44	9.04	10.18
10.2	1.15	1.16	1.23	9.64	10.38	11.45
10.4	0.88	0.90	0.98	12.40	13.51	15.47
10.6	0.78	0.82	0.93	13.92	14.64	15.88
10.8	0.62	0.67	0.81	19.57	20.00	20.54
11.0	0.66	0.69	0.83	18.22	18.78	20.29
11.2	0.60	0.65	0.79	19.25	19.37	18.60
11.4	0.66	0.68	0.84	18.81	19.32	19.31
11.6	0.67	0.71	0.89	15.37	15.27	14.65
11.8	0.73	0.77	0.95	15.78	15.62	14.94
12.0	0.83	0.89	1.06	12.22	12.19	11.89
12.2	0.88	0.93	1.11	12.49	12.38	11.97
12.4	1.02	1.07	1.22	10.28	10.33	10.39
12.6	1.01	1.05	1.21	10.77	10.81	10.85
12.8	1.10	1.13	1.24	9.68	9.85	10.26
13.0	1.00	1.02	1.15	10.66	11.03	11.55
13.2	1.00	1.04	1.16	10.52	10.76	11.52
13.4	0.83	0.92	1.08	12.58	12.80	13.53
13.6	0.82	0.96	1.16	12.64	12.34	12.53
13.8	0.78	0.95	1.22	14.63	13.73	13.01
14.0	0.91	1.13	1.48	12.01	11.29	10.38
14.2	1.05	1.29	1.68	11.39	10.94	10.17
14.4	1.32	1.57	1.98	9.06	9.08	8.80
14.6	1.49	1.72	2.11	9.19	9.67	10.29
14.8	1.66	1.89	2.26	8.74	9.87	11.99
15.0	1.66	1.95	2.52	11.99	15.06	24.34
15.2	1.77	2.28	3.33	17.82	26.87	18.03
15.4	2.29	3.22	5.13	19.58	15.80	18.28
15.6	3.41	5.29	10.37	16.47	28.55	8.69
15.8	7.01	12.37	20.73	10.96	5.00	2.73
16.0	16.74	23.25	31.70	2.77	1.97	1.61
16.5	44.52	51.01	59.22	0.36	0.53	0.69
17.0	63.35	63.49	63.10	0.02	0.25	0.48
17.5	64.58	65.93	69.23	0.02	0.22	0.50
18.0	85.60	71.81	65.40	0.13	0.26	0.53
18.5	60.10	58.37	56.46	0.19	0.26	0.53
19.0	54.48	53.69	52.68	0.27	0.30	0.58
19.5	51.71	51.13	50.46	0.32	0.37	0.69
20.0	49.98	49.46	49.01	0.47	0.50	0.82
20.5	48.66	48.41	47.95	0.46	0.57	0.89
21.0	47.38	47.26	47.04	0.20	0.45	0.77
21.5	46.28	46.42	46.13	-0.21	0.20	0.51
22.0	45.52	45.80	45.62	-0.52	-0.08	0.23
22.5	45.30	45.50	45.32	-0.51	-0.22	0.07
23.0	45.47	45.60	45.35	-0.34	-0.22	0.07
23.5	45.58	45.59	45.41	-0.19	-0.18	0.10
24.0	45.48	45.42	45.18	-0.10	-0.13	0.14
24.5	45.33	45.25	45.04	-0.07	-0.09	0.18
25.0	44.94	44.95	44.89	-0.13	-0.06	0.24
25.5	44.87	44.99	44.97	-0.20	-0.06	0.26
26.0	45.14	45.25	45.47	-0.15	-0.03	0.31
26.5	45.84	46.01	46.43	0.06	0.06	0.41