

LTCC Bandpass Filter

Typical Performance Data

BFHK-1432+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	100.03	98.14	88.47	0.04	0.04	0.07
0.5	84.19	84.07	84.74	0.12	0.12	0.17
1.0	78.62	78.24	77.79	0.12	0.13	0.17
1.5	74.47	74.27	74.53	0.08	0.07	0.12
2.0	71.67	71.37	71.75	-0.01	-0.01	0.02
2.5	69.99	70.12	69.39	-0.07	-0.08	-0.05
3.0	68.00	68.25	68.18	-0.09	-0.10	-0.06
3.5	66.76	66.75	66.72	-0.05	-0.06	-0.01
4.0	65.56	65.69	65.61	0.03	0.03	0.08
4.5	64.47	64.49	64.42	0.13	0.13	0.17
5.0	63.47	63.45	63.38	0.18	0.18	0.23
5.5	62.39	62.14	62.20	0.18	0.17	0.25
6.0	61.03	60.96	61.01	0.14	0.13	0.22
6.5	59.94	59.84	59.82	0.09	0.07	0.14
7.0	58.82	58.61	58.55	0.05	0.03	0.09
7.5	57.59	57.56	57.41	0.01	-0.01	0.08
8.0	56.51	56.40	56.31	-0.03	-0.05	0.08
8.5	55.37	55.14	55.17	-0.05	-0.06	0.05
9.0	54.07	53.97	53.94	-0.03	-0.05	0.03
9.5	52.89	52.72	52.69	-0.04	-0.04	0.03
10.0	51.53	51.34	51.31	-0.08	-0.05	0.04
10.5	50.13	49.90	49.79	-0.06	-0.02	0.12
11.0	48.63	48.37	48.14	0.06	0.09	0.19
11.5	47.00	46.74	46.42	0.18	0.20	0.20
12.0	45.34	45.08	44.78	0.18	0.17	0.17
12.5	44.32	44.39	44.87	0.07	0.07	0.17
13.0	55.14	53.93	41.02	0.09	0.14	0.26
13.2	41.00	34.68	27.52	0.18	0.27	0.41
13.4	27.60	22.40	15.39	0.35	0.55	1.01
13.6	15.43	10.03	4.77	0.85	1.88	5.60
13.8	4.21	2.91	2.64	5.24	8.33	9.63
14.0	2.13	1.99	1.91	9.19	11.66	19.03
14.1	1.75	1.67	1.79	11.72	16.82	24.68
14.2	1.45	1.53	1.78	17.29	23.59	23.02
14.3	1.34	1.51	1.82	24.09	23.40	27.29
14.4	1.33	1.53	1.96	23.04	26.75	21.75
14.5	1.34	1.62	2.24	27.13	24.77	15.73
14.6	1.43	1.85	2.67	25.08	17.02	13.92
14.8	1.94	2.98	7.96	14.84	11.29	3.62
15.0	5.96	11.76	19.82	4.27	1.93	1.09
15.2	17.84	23.43	30.62	0.97	0.77	0.70
15.4	28.77	33.82	40.87	0.53	0.50	0.56
15.5	33.85	38.91	46.40	0.44	0.43	0.51
16.0	70.60	62.84	58.47	0.27	0.28	0.31
16.5	56.72	56.66	56.94	0.14	0.16	0.13
17.0	57.91	58.41	59.14	-0.08	-0.07	-0.02
17.5	60.44	60.93	61.64	-0.26	-0.24	-0.10
18.0	62.99	63.57	64.37	-0.23	-0.22	-0.08
18.5	65.76	65.98	66.90	-0.05	-0.05	0.03
19.0	68.10	68.98	69.24	0.10	0.10	0.15
19.5	70.32	70.34	71.54	0.18	0.18	0.30
20.0	72.47	72.38	72.89	0.17	0.18	0.39
20.5	72.62	74.03	74.39	0.18	0.21	0.45
21.0	74.89	74.93	75.25	0.22	0.27	0.46
21.5	75.19	74.51	75.91	0.28	0.31	0.43
22.0	75.17	75.67	75.34	0.28	0.28	0.39
22.5	75.32	74.11	75.90	0.21	0.18	0.32
23.0	76.26	75.39	74.20	0.09	0.05	0.23
23.5	75.13	75.16	74.44	-0.02	-0.02	0.17
24.0	74.85	75.18	75.00	-0.06	-0.05	0.14
24.5	75.33	75.74	75.69	-0.04	-0.03	0.13
25.0	74.47	74.47	75.11	-0.01	-0.03	0.12
25.5	74.75	74.15	74.24	0.03	-0.01	0.12
26.0	74.46	74.13	73.66	0.07	0.03	0.14
26.5	73.65	74.04	73.69	0.10	0.08	0.13
27.0	74.59	72.65	73.56	0.16	0.18	0.18
27.5	74.50	72.64	73.64	0.17	0.23	0.26
28.0	75.78	72.46	71.55	0.17	0.21	0.37
28.5	70.68	72.81	71.27	0.14	0.16	0.39
29.0	71.12	74.40	71.41	0.09	0.09	0.31
29.5	70.30	69.33	70.93	0.04	0.04	0.24
30.0	69.59	69.03	69.53	0.02	0.02	0.23
30.5	69.16	67.48	66.18	0.03	0.07	0.27
31.0	66.38	65.75	63.75	0.11	0.16	0.22