Coaxial Band Pass Filter ZBFHK-K1742+

Typical Performance Data

FREQ. (GHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	97.91	94.27	118.27	0.05	0.10	0.12	0.03	0.08	0.10
0.2	94.96	98.25	98.71	0.09	0.14	0.17	0.07	0.12	0.15
0.5	96.11	106.58	106.58	0.15	0.22	0.26	0.16	0.21	0.26
1.0	103.97	94.53	98.09	0.20	0.28	0.34	0.21	0.29	0.34
1.5	109.39	100.61	100.61	0.21	0.29	0.35	0.19	0.29	0.34
2.0	100.06	98.97	95.65	0.18	0.29	0.34	0.15	0.26	0.30
2.5	99.67	101.27	98.88	0.18	0.29	0.34	0.12	0.24	0.29
3.0	106.21	92.65	100.57	0.18	0.30	0.36	0.12	0.24	0.29
3.5	102.51	104.57	100.00	0.23	0.35	0.41	0.11	0.25	0.30
4.0	94.78	99.01	97.32	0.29	0.41	0.48	0.17	0.31	0.37
4.5	95.70	105.49	111.09	0.33	0.49	0.55	0.24	0.40	0.46
5.0	94.34	101.67	104.13	0.38	0.54	0.60	0.33	0.50	0.57
5.5	101.01	99.12	102.89	0.41	0.57	0.65	0.40	0.57	0.65
6.0	104.07	99.52	98.31	0.42	0.58	0.67	0.42	0.61	0.68
6.5	105.43	103.18	119.90	0.42	0.60	0.69	0.44	0.62	0.70
7.0	96.07	101.45	99.67	0.45	0.63	0.73	0.41	0.61	0.69
7.5	98.05	120.05	94.17	0.50	0.69	0.79	0.40	0.61	0.69
8.0	98.08	99.42	94.71	0.56	0.75	0.86	0.42	0.64	0.73
8.6	105.95	98.12	103.23	0.63	0.83	0.94	0.47	0.71	0.80
9.0	96.65	99.64	97.64	0.64	0.87	0.97	0.53	0.77	0.87
9.5	107.27	112.21	104.76	0.64	0.89	0.99	0.55	0.81	0.91
10.0	98.66	98.14	107.25	0.63	0.89	1.00	0.58	0.85	0.96
10.3	92.23	96.78	125.48	0.62	0.88	1.01	0.57	0.85	0.97
11.5	93.78	101.50	92.49	0.69	0.96	1.12	0.54	0.85	0.99
12.0	91.61	89.86	88.86	0.77	1.04	1.20	0.61	0.91	1.05
13.0	72.95	71.77	69.85	0.94	1.22	1.38	0.85	1.16	1.32
14.6	31.42	28.90	25.14	1.46	2.00	2.51	1.29	1.81	2.22
14.9	20.94	17.98	13.49	1.93	2.70	3.90	1.63	2.33	3.45
15.4	3.44	3.63	3.84	18.48	21.04	17.71	17.64	19.32	16.58
16.0	2.34	2.88	3.22	24.41	22.81	23.76	21.41	20.40	22.32
16.5	2.22	2.81	3.21	21.89	19.40	17.67	21.42	18.57	17.03
16.8	2.29	2.82	3.14	16.31	16.82	19.40	15.79	16.44	19.34
17.0	2.19	2.72	3.08	19.39	22.49	30.97	19.39	22.75	30.66
17.4	2.21	2.85	3.27	19.33	16.98	15.81	18.64	16.64	15.77
17.8	2.31	2.85	3.20	15.52	16.61	19.92	15.59	16.95	20.87
18.0	2.22	2.78	3.19	19.71	23.04	26.46	20.68	25.24	34.54
18.2	2.19	2.81	3.26	29.21	25.18	21.54	41.18	27.57	23.01
18.4	2.24	2.87	3.31	21.93	19.95	20.30	22.89	21.19	21.58
18.6	2.28	2.90	3.34	20.03	20.47	24.76	21.57	21.93	25.55
20.0	3.07	4.12	5.85	21.71	19.38	13.36	34.19	29.50	17.30
20.8	20.72	25.69	31.31	2.63	2.86	2.81	2.58	2.74	2.61
21.0	27.50	32.01	37.00	2.18	2.44	2.47	1.99	2.23	2.21
23.8	79.52	80.72	81.80	1.49	1.98	2.27	1.56	2.15	2.43
25.0	100.70	92.53	97.24	1.64	2.15	2.44	1.41	1.96	2.16
26.0	99.66	94.82	97.98	1.31	1.86	2.11	0.91	1.46	1.67
27.0	85.04	92.66	95.25	1.25	1.70	1.97	0.92	1.46	1.74
27.1	93.61	92.79	86.25	1.24	1.70	1.98	0.94	1.48	1.77
29.1	92.04	99.75	97.93	1.25	1.73	1.99	1.29	1.90	2.13
30.0	89.12	90.72	90.83	1.27	1.91	2.29	1.52	2.18	2.57
30.5	94.12	91.83	86.68	1.64	2.43	2.96	1.63	2.39	2.83
31.0	87.02	84.76	83.40	1.71	2.51	3.02	1.64	2.40	2.81
32.0	85.35	98.43	86.57	2.14	2.79	3.04	1.54	2.21	2.37
33.0	93.30	95.08	84.81	1.78	2.24	2.47	1.31	1.83	2.01
34.0	80.76	96.96	85.50	1.24	1.71	2.03	1.02	1.56	1.90
35.0	86.83	94.43	91.70	0.93	1.48	1.84	0.93	1.60	2.00
36.0	84.50	86.59	93.44	1.03	1.71	2.11	1.26	2.06	2.46
36.3	83.91	81.45	94.30	1.19	1.92	2.35	1.48	2.32	2.73
37.0	88.66	89.84	94.07	1.80	2.59	3.15	1.92	2.78	3.26
38.0	91.50	82.54	88.30	2.54	3.36	3.90	2.02	2.88	3.22
40.0	76.98	82.81	77.39	1.51	2.11	2.55	1.44	2.05	2.53

Typical Performance Data

FREQ. (GHz)	GROUP DELAY (nsec)		
	@-55°C	@+25°C	@+125°C
16.00	0.89	0.87	0.84
16.10	0.86	0.84	0.81
16.20	0.83	0.81	0.79
16.30	0.81	0.79	0.78
16.40	0.79	0.78	0.76
16.50	0.77	0.76	0.75
16.60	0.76	0.75	0.74
16.70	0.75	0.74	0.74
16.80	0.74	0.73	0.73
16.90	0.73	0.72	0.72
17.00	0.72	0.72	0.72
17.10	0.72	0.71	0.71
17.20	0.71	0.71	0.71
17.30	0.71	0.70	0.71
17.40	0.70	0.70	0.70
17.50	0.70	0.70	0.70
17.60	0.70	0.70	0.70
17.70	0.69	0.70	0.70
17.80	0.69	0.70	0.70
17.90	0.69	0.70	0.70
18.00	0.69	0.70	0.70
18.10	0.69	0.70	0.71
18.20	0.70	0.70	0.71
18.30	0.70	0.70	0.71
18.40	0.70	0.71	0.72
18.50	0.70	0.71	0.72
18.60	0.71	0.71	0.73
18.70	0.71	0.72	0.74
18.80	0.72	0.73	0.74
18.90	0.72	0.73	0.76
19.00	0.73	0.74	0.77