Coaxial Band Pass Filter ZBFHK-K9901+

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	95.27	99.45	96.20	0.09	0.12	0.15	0.03	0.11	0.11
0.2	105.67	114.35	104.55	0.12	0.16	0.20	0.08	0.15	0.16
0.5	92.94	93.45	97.51	0.19	0.24	0.29	0.15	0.23	0.27
0.6	94.50	104.66	101.25	0.20	0.26	0.31	0.17	0.25	0.29
0.7	94.46	97.99	97.99	0.22	0.27	0.33	0.19	0.27	0.32
0.8	94.16	95.03	99.29	0.23	0.29	0.35	0.21	0.29	0.34
1.0	111.22	97.11	99.68	0.23	0.30	0.36	0.21	0.30	0.35
1.5	99.49	97.07	94.59	0.23	0.30	0.36	0.14	0.27	0.29
2.0	104.06	116.79	95.61	0.21	0.29	0.34	0.07	0.23	0.24
2.5	90.50	98.20	101.91	0.20	0.29	0.34	0.09	0.23	0.26
3.0	95.42	97.91	100.07	0.23	0.32	0.38	0.14	0.28	0.32
3.2	92.98	98.81	91.89	0.24	0.34	0.40	0.17	0.32	0.36
3.4	102.91	96.95	91.59	0.28	0.37	0.44	0.18	0.34	0.38
3.5	104.65	112.15	96.17	0.30	0.39	0.46	0.17	0.35	0.37
3.8	97.82	97.77	99.82	0.34	0.44	0.51	0.22	0.40	0.42
4.0	98.76	101.35	95.74	0.37	0.49	0.55	0.25	0.45	0.47
4.5	95.27	95.44	102.76	0.45	0.58	0.64	0.34	0.55	0.58
5.0	94.07	91.46	92.51	0.49	0.63	0.70	0.40	0.61	0.66
5.3	91.39	89.48	96.17	0.52	0.66	0.74	0.41	0.64	0.68
5.5	90.05	88.93	88.21	0.52	0.66	0.75	0.39	0.63	0.67
5.8	85.47	86.23	84.13	0.53	0.68	0.78	0.39	0.64	0.68
6.0	81.26	81.22	80.07	0.53	0.69	0.78	0.38	0.63	0.68
6.1	82.26	79.60	80.39	0.54	0.70	0.79	0.39	0.64	0.69
6.2	78.02	77.79	78.41	0.54	0.71	0.81	0.40	0.65	0.71
6.3	76.61	76.96	75.88	0.55	0.72	0.82	0.42	0.66	0.72
6.5	73.11	71.97	71.41	0.56	0.74	0.84	0.43	0.69	0.75
14.6	93.64	97.37	95.20	0.96	1.27	1.45	0.76	1.24	1.36
14.9	95.54	95.32	106.02	0.97	1.30	1.50	0.77	1.26	1.40
15.4	94.76	100.14	94.74	1.01	1.37	1.58	0.80	1.33	1.47
16.0	100.77	99.46	103.69	1.05	1.43	1.62	0.88	1.42	1.55
16.5	98.42	108.41	109.41	1.09	1.45	1.61	0.93	1.46	1.57
16.8	103.71	116.43	110.06	1.10	1.45	1.60	0.93	1.45	1.55
17.0	97.82	103.98	103.93	1.09	1.43	1.57	0.93	1.45	1.54
17.4	100.73	100.18	111.84	1.08	1.39	1.54	0.91	1.39	1.48
17.8	97.61	98.76	100.35	1.05	1.35	1.50	0.87	1.34	1.40
18.0	108.52	100.56	97.41	1.03	1.33	1.47	0.85	1.31	1.36
18.2	112.42	95.09	101.40	1.01	1.31	1.47	0.83	1.28	1.35
18.4	98.41	98.18	96.76	0.99	1.29	1.44	0.83	1.26	1.34
18.6	98.95	94.79	108.20	0.99	1.29	1.46	0.81	1.24	1.34
20.0	106.64	107.84	114.86	1.00	1.42	1.69	0.75	1.32	1.52
20.8	97.27	94.89	96.07	1.16	1.64	1.87	0.87	1.54	1.72
21.0	94.21	94.12	113.69	1.20	1.68	1.91	0.95	1.63	1.80
12.0	31.38	36.93	43.10	2.01	2.21	2.25	1.74	2.07	2.03
13.9	99.16	93.18	96.61	1.00	1.28	1.41	0.84	1.25	1.33
17.5	97.46	101.30	99.38	1.07	1.38	1.52	0.91	1.37	1.46
17.8	97.61	98.76	100.35	1.05	1.35	1.50	0.87	1.34	1.40
18.7	97.42	110.81	101.66	0.98	1.28	1.46	0.80	1.22	1.33
19.0	101.75	109.51	102.98	0.96	1.28	1.48	0.74	1.19	1.31
19.2	100.04	98.22	116.37	0.95	1.29	1.51	0.73	1.20	1.34
19.4	106.43	96.92	109.82	0.97	1.33	1.56	0.71	1.21	1.37
19.6	103.45	100.78	96.06	0.96	1.34	1.59	0.71	1.23	1.41
19.8	106.07	103.90	103.94	0.98	1.38	1.63	0.74	1.28	1.48
20.0	106.64	107.84	114.86	1.00	1.42	1.69	0.75	1.32	1.52
20.5	102.58	100.18	94.07	1.08	1.55	1.81	0.78	1.43	1.62
21.0	94.21	94.12	113.69	1.20	1.68	1.91	0.95	1.63	1.80
21.2	106.22	102.58	97.03	1.25	1.72	1.93	1.05	1.71	1.87
21.4	93.73	103.97	99.91	1.31	1.78	1.97	1.11	1.77	1.92
22.0	89.90	90.88	92.07	1.43	1.84	2.01	1.26	1.85	1.99
23.0	84.56	83.90	85.29	1.37	1.75	1.97	1.19	1.76	1.92
23.5	84.66	82.49	81.75	1.24	1.66	1.90	1.02	1.63	1.78

Typical Performance Data

FREQ. (GHz)	GROUP DELAY (nsec)		
	@-55°C	@+25°C	@+125°C
8.60	1.32	1.27	1.22
8.70	1.22	1.18	1.14
8.80	1.14	1.11	1.09
8.90	1.09	1.07	1.06
9.00	1.05	1.04	1.03
9.10	1.02	1.02	1.01
9.20	1.00	1.00	1.00
9.30	0.99	0.98	0.98
9.40	0.97	0.97	0.98
9.50	0.97	0.97	0.97
9.60	0.96	0.96	0.97
9.70	0.96	0.96	0.97
9.80	0.95	0.96	0.97
9.90	0.95	0.96	0.97
10.00	0.95	0.96	0.97
10.10	0.96	0.97	0.98
10.20	0.97	0.98	0.99
10.30	0.98	0.99	1.01
10.40	0.99	1.00	1.02
10.50	1.00	1.02	1.04
10.60	1.02	1.04	1.07
10.70	1.04	1.06	1.10
10.80	1.06	1.09	1.13
10.90	1.10	1.13	1.17