

Coaxial Band Pass Filter

ZBFHK-K4951+

Typical Performance Data

FREQ.	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
	(dB)			(dB)			(dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
10	75.59	81.07	76.97	0.04	0.06	0.08	0.03	0.06	0.08
100	101.38	106.24	103.89	0.07	0.11	0.14	0.06	0.10	0.14
500	96.26	90.88	97.06	0.18	0.23	0.28	0.16	0.23	0.28
1000	90.42	92.73	109.02	0.22	0.29	0.35	0.18	0.27	0.32
1200	94.81	93.01	88.53	0.22	0.28	0.35	0.18	0.28	0.33
1400	92.87	88.82	92.61	0.21	0.28	0.35	0.17	0.27	0.33
1600	89.81	90.51	89.40	0.21	0.28	0.34	0.17	0.27	0.33
1800	87.12	92.41	86.77	0.19	0.27	0.33	0.16	0.27	0.33
2000	86.57	89.30	90.67	0.19	0.27	0.34	0.16	0.27	0.33
2200	85.92	88.03	87.33	0.20	0.28	0.34	0.15	0.27	0.33
2400	89.89	87.23	87.80	0.19	0.28	0.35	0.15	0.28	0.34
2600	85.96	87.09	82.58	0.21	0.30	0.37	0.17	0.30	0.35
2800	82.02	83.87	83.75	0.22	0.32	0.39	0.18	0.32	0.38
3000	81.00	79.77	80.99	0.24	0.34	0.42	0.20	0.35	0.42
3200	76.28	76.34	75.57	0.29	0.40	0.48	0.27	0.42	0.49
3400	69.62	68.92	67.84	0.35	0.48	0.56	0.32	0.49	0.58
3600	59.98	58.99	57.22	0.43	0.57	0.68	0.38	0.58	0.68
3960	33.55	31.11	27.65	0.84	1.11	1.45	0.77	1.08	1.40
4040	24.70	21.68	17.49	1.15	1.61	2.41	1.07	1.56	2.32
4120	13.85	10.52	7.15	2.30	4.00	8.32	2.16	3.84	7.96
4200	4.38	3.96	3.91	11.95	21.73	28.71	11.34	19.80	26.03
4300	2.60	3.01	3.37	34.78	24.55	19.69	28.68	23.56	19.41
4500	2.25	2.69	3.11	26.18	28.58	21.23	24.71	27.89	21.53
4600	2.31	2.80	3.20	17.14	16.25	16.57	17.14	16.30	16.61
4800	2.28	2.79	3.28	29.52	24.04	19.34	30.47	24.99	19.85
4950	2.53	3.04	3.49	15.72	16.69	19.39	15.82	16.88	19.57
5000	2.56	3.06	3.53	16.82	19.48	24.83	16.81	19.52	24.90
5100	2.57	3.15	3.73	29.73	26.18	21.48	28.56	27.18	22.47
5200	2.76	3.39	4.00	19.53	19.13	20.34	20.03	19.90	21.59
5300	2.96	3.62	4.31	20.78	24.26	26.03	21.60	26.39	30.86
5760	7.15	11.40	18.69	21.53	11.43	6.26	18.75	10.93	6.37
5840	15.66	22.59	30.39	5.50	4.03	3.18	5.44	4.18	3.35
5900	24.96	31.41	38.46	2.91	2.61	2.36	2.96	2.77	2.49
6000	38.89	44.30	50.34	1.65	1.72	1.71	1.70	1.83	1.80
6700	76.23	76.03	76.44	0.66	0.84	0.95	0.56	0.81	0.89
7000	75.55	74.91	74.57	0.63	0.81	0.92	0.51	0.77	0.86
7500	74.04	73.84	74.64	0.67	0.86	0.99	0.54	0.79	0.88
7800	73.21	72.92	73.32	0.70	0.91	1.04	0.55	0.82	0.92
8000	73.63	72.98	73.01	0.73	0.93	1.06	0.57	0.84	0.95
8200	72.63	72.56	73.26	0.74	0.94	1.07	0.59	0.87	0.98
8400	71.69	72.92	72.71	0.75	0.96	1.10	0.60	0.88	1.00
8600	72.41	72.84	72.30	0.75	0.96	1.10	0.59	0.90	1.02
8800	72.49	72.66	72.44	0.74	0.94	1.08	0.62	0.92	1.04
9000	72.76	72.68	73.05	0.73	0.94	1.08	0.62	0.94	1.06
9200	73.09	73.19	73.30	0.70	0.92	1.06	0.60	0.93	1.05
9400	73.37	72.93	73.51	0.67	0.89	1.03	0.60	0.94	1.06
9600	73.76	73.44	74.33	0.65	0.89	1.02	0.58	0.93	1.05
9800	74.06	74.37	74.53	0.65	0.88	1.02	0.59	0.92	1.05
10000	74.42	74.63	75.07	0.63	0.87	1.02	0.56	0.93	1.07
10200	75.21	74.26	75.28	0.62	0.87	1.03	0.56	0.94	1.08
10400	76.25	76.46	75.32	0.64	0.90	1.06	0.61	0.97	1.11
10600	76.31	76.92	77.17	0.65	0.92	1.09	0.60	0.98	1.13
10800	76.37	77.39	77.62	0.68	0.95	1.13	0.63	1.01	1.16
11000	78.13	78.41	78.65	0.73	1.00	1.18	0.63	1.03	1.18
11200	78.59	79.79	81.67	0.77	1.04	1.23	0.70	1.08	1.23
11400	80.46	80.55	81.35	0.84	1.11	1.30	0.74	1.12	1.27
11600	81.54	83.21	83.69	0.90	1.17	1.37	0.75	1.15	1.30
11800	83.44	84.40	88.83	0.94	1.22	1.42	0.82	1.20	1.35
12000	84.48	91.28	91.60	1.00	1.29	1.49	0.85	1.24	1.39
12300	90.33	91.62	96.52	1.09	1.38	1.59	0.90	1.30	1.46

Typical Performance Data

FREQ.	GROUP DELAY		
(MHz)	(nsec)		
	@-55°C	@+25°C	@+125°C
4300	2.69	2.51	2.34
4320	2.55	2.40	2.26
4340	2.43	2.30	2.19
4360	2.32	2.22	2.13
4380	2.24	2.16	2.09
4400	2.17	2.10	2.05
4420	2.11	2.06	2.01
4440	2.06	2.02	1.98
4460	2.02	1.99	1.95
4480	1.99	1.96	1.92
4500	1.96	1.93	1.90
4520	1.93	1.90	1.88
4540	1.90	1.88	1.85
4560	1.88	1.86	1.84
4580	1.85	1.84	1.82
4600	1.83	1.82	1.81
4620	1.81	1.80	1.80
4640	1.80	1.79	1.79
4660	1.78	1.78	1.78
4680	1.77	1.77	1.78
4700	1.76	1.77	1.77
4720	1.76	1.76	1.77
4740	1.75	1.76	1.76
4760	1.75	1.75	1.76
4780	1.74	1.75	1.75
4800	1.74	1.74	1.75
4820	1.74	1.74	1.74
4840	1.73	1.73	1.74
4860	1.73	1.73	1.74
4880	1.72	1.73	1.74
4900	1.72	1.72	1.74
4920	1.71	1.72	1.75
4940	1.71	1.73	1.75
4960	1.71	1.73	1.76
4980	1.71	1.73	1.77
5000	1.72	1.74	1.77
5020	1.73	1.75	1.78
5100	1.76	1.78	1.82
5200	1.80	1.84	1.88
5300	1.88	1.93	1.99