

# Coaxial High Pass Filter

# ZHFG-K2500+

## Typical Performance Data

FREQ.  (MHz)	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	79.19	81.37	80.49	0.11	0.16	0.22	0.11	0.17	0.24
50	76.66	77.84	77.72	0.17	0.24	0.32	0.19	0.26	0.35
100	71.45	70.98	71.85	0.22	0.29	0.39	0.25	0.33	0.43
150	68.04	68.89	68.26	0.26	0.34	0.44	0.29	0.37	0.49
200	65.94	65.88	65.60	0.30	0.37	0.48	0.32	0.41	0.54
250	64.09	64.09	64.13	0.33	0.41	0.52	0.35	0.45	0.57
300	62.54	62.80	62.81	0.36	0.44	0.56	0.37	0.47	0.61
350	61.34	61.37	61.71	0.37	0.46	0.59	0.39	0.49	0.63
400	60.41	60.48	60.59	0.39	0.48	0.61	0.40	0.51	0.66
450	59.60	59.67	59.90	0.40	0.50	0.64	0.41	0.53	0.68
500	58.83	58.85	59.02	0.41	0.52	0.65	0.42	0.54	0.70
550	58.27	58.29	58.32	0.42	0.53	0.67	0.43	0.56	0.71
600	57.69	57.70	57.84	0.43	0.54	0.68	0.44	0.56	0.72
700	56.65	56.82	56.86	0.44	0.55	0.70	0.45	0.58	0.74
800	55.92	56.04	56.19	0.45	0.56	0.71	0.46	0.59	0.74
1000	55.03	55.12	55.23	0.44	0.56	0.71	0.45	0.58	0.74
1100	54.85	55.02	55.12	0.44	0.56	0.70	0.45	0.58	0.73
1200	54.91	55.06	55.23	0.43	0.55	0.69	0.44	0.57	0.72
1300	55.29	55.48	55.74	0.42	0.54	0.68	0.43	0.56	0.70
1400	56.57	56.93	57.48	0.41	0.53	0.67	0.42	0.55	0.69
1550	64.61	65.62	65.79	0.40	0.52	0.66	0.41	0.54	0.68
1600	67.70	64.50	60.97	0.40	0.52	0.66	0.41	0.54	0.68
1750	48.06	46.67	45.15	0.41	0.54	0.68	0.42	0.55	0.70
1790	44.75	43.54	42.15	0.42	0.55	0.69	0.43	0.56	0.71
1950	33.83	32.79	31.54	0.48	0.63	0.80	0.50	0.65	0.83
2000	30.72	29.69	28.43	0.52	0.67	0.87	0.54	0.70	0.90
2500	3.19	3.11	3.14	10.32	12.83	16.17	11.37	14.30	18.39
2600	2.00	2.17	2.42	19.14	18.54	17.54	23.72	20.40	18.18
2700	1.71	1.89	2.12	15.11	15.21	15.62	15.44	15.40	15.76
3000	1.21	1.37	1.57	20.13	21.75	23.36	21.74	24.49	28.75
3500	0.96	1.13	1.32	17.56	17.11	16.52	17.36	16.79	16.10
4000	0.86	1.01	1.17	18.06	18.27	18.86	16.67	16.80	17.18
4500	0.76	0.90	1.05	25.46	27.35	32.02	21.16	21.94	23.10
5000	0.70	0.84	1.00	28.95	27.13	24.07	25.17	24.47	22.58
5500	0.70	0.85	1.02	20.05	19.23	17.99	19.83	19.04	17.77
5800	0.73	0.88	1.05	17.75	17.21	16.37	17.61	17.06	16.20
6000	0.75	0.90	1.07	16.73	16.33	15.68	16.57	16.17	15.53
7000	0.84	0.99	1.16	15.10	15.13	15.04	15.04	15.10	15.07
7500	0.83	0.99	1.15	15.64	15.89	15.97	15.76	16.06	16.22
8000	0.80	0.96	1.12	16.93	17.46	17.65	17.26	17.89	18.23
8500	0.76	0.92	1.08	19.15	20.03	20.60	19.54	20.49	21.32
9000	0.72	0.89	1.06	22.45	23.89	25.26	22.27	23.42	24.96
9500	0.71	0.89	1.07	26.76	28.03	28.69	24.86	25.08	25.91
10000	0.72	0.91	1.10	27.49	27.76	25.88	25.80	25.35	24.65
10200	0.73	0.92	1.11	26.70	27.07	24.97	25.94	25.58	24.45
10400	0.74	0.92	1.12	26.10	26.62	24.54	26.18	26.00	24.60
10600	0.74	0.93	1.13	25.84	26.55	24.63	26.79	26.81	25.26
11000	0.75	0.95	1.15	26.68	27.79	26.38	29.73	30.23	28.61
11200	0.76	0.95	1.16	28.09	29.14	28.52	32.85	32.75	32.13
11400	0.76	0.97	1.17	29.78	30.18	31.40	36.25	33.07	35.70
11600	0.77	0.98	1.19	30.27	29.44	32.25	32.13	29.36	31.22
12000	0.81	1.03	1.25	24.59	23.60	24.06	23.29	22.34	22.44
12400	0.89	1.12	1.36	18.75	18.45	18.18	17.96	17.67	17.41
12800	1.03	1.27	1.53	14.85	14.83	14.43	14.40	14.40	14.10
13000	1.12	1.37	1.64	13.36	13.43	13.03	13.05	13.12	12.84
13200	1.23	1.48	1.76	12.13	12.23	11.88	11.93	12.04	11.80
13400	1.34	1.60	1.90	11.09	11.21	10.91	10.96	11.11	10.92
13500	1.40	1.66	1.96	10.63	10.76	10.48	10.54	10.70	10.54
14000	1.68	1.97	2.27	8.96	9.04	8.97	9.04	9.16	9.16
14500	1.87	2.19	2.50	8.19	8.25	8.36	8.29	8.39	8.50

*Typical Performance Data*

FREQ.  (MHz)	GROUP DELAY		
	(nsec)		
	@-55°C	@+25°C	@+125°C
2700	0.87	0.83	0.80
2800	0.74	0.72	0.70
3000	0.60	0.60	0.59
3200	0.52	0.51	0.51
3400	0.46	0.45	0.45
3500	0.43	0.43	0.43
3800	0.38	0.38	0.37
4000	0.35	0.35	0.35
4200	0.33	0.33	0.33
4400	0.32	0.32	0.32
4600	0.31	0.30	0.31
4800	0.29	0.29	0.29
5000	0.28	0.28	0.29
5500	0.27	0.26	0.27
6000	0.25	0.25	0.25
6500	0.24	0.24	0.24
7000	0.23	0.23	0.23
7500	0.23	0.23	0.23
8000	0.22	0.22	0.23
8500	0.22	0.22	0.22
9000	0.22	0.22	0.22
9500	0.22	0.22	0.22
10000	0.22	0.22	0.22
10200	0.22	0.22	0.22
10400	0.22	0.22	0.22
10600	0.22	0.22	0.22
10800	0.22	0.22	0.22
11000	0.22	0.22	0.22
11200	0.22	0.22	0.22
11400	0.22	0.22	0.22
11600	0.22	0.22	0.23
12000	0.22	0.22	0.23
12400	0.23	0.23	0.23
12600	0.23	0.23	0.23
12800	0.23	0.23	0.23
13000	0.23	0.23	0.23
13200	0.23	0.23	0.23
13500	0.22	0.23	0.23
14000	0.23	0.23	0.23
14500	0.23	0.23	0.24