

Coaxial Reflectionless High Pass Filter

ZXHF-K14M+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
	(dB)			(dB)			(dB)		
	@-55°C	@+25°C	@+105°C	@-55°C	@+25°C	@+105°C	@-55°C	@+25°C	@+105°C
1	71.62	67.05	63.89	26.27	23.94	22.24	26.50	24.13	22.43
50	67.36	64.39	62.03	28.19	25.42	23.34	27.77	25.09	23.11
100	61.61	60.05	58.63	26.59	24.36	22.60	26.40	24.19	22.47
400	42.49	42.56	42.57	25.02	23.18	21.70	24.89	23.12	21.69
500	39.07	39.22	39.32	25.02	23.11	21.68	24.84	23.04	21.63
600	36.35	36.55	36.70	24.85	23.08	21.71	24.79	23.07	21.70
750	33.20	33.44	33.63	24.87	23.23	21.88	24.82	23.18	21.87
800	32.34	32.58	32.79	24.77	23.16	21.85	24.85	23.25	21.96
1000	29.63	29.91	30.13	25.10	23.49	22.20	25.33	23.62	22.30
1200	27.86	28.15	28.41	25.72	23.97	22.68	26.06	24.17	22.86
1400	26.80	27.13	27.41	26.14	24.52	23.26	26.77	24.87	23.53
2000	27.33	27.81	28.20	24.93	24.50	24.00	25.42	25.02	24.48
2100	27.96	28.48	28.91	24.15	23.94	23.62	24.53	24.39	24.05
2200	28.77	29.34	29.79	23.49	23.29	23.10	23.74	23.68	23.47
2300	29.79	30.40	30.90	22.85	22.72	22.60	23.06	22.92	22.80
2400	31.02	31.69	32.24	22.09	22.02	21.94	22.21	22.18	22.12
2500	32.52	33.27	33.87	21.49	21.49	21.43	21.47	21.50	21.46
3000	46.91	48.20	48.99	19.17	19.15	19.04	18.73	18.77	18.72
3500	63.08	57.56	54.51	18.65	18.51	18.37	17.88	17.81	17.73
3800	42.19	41.37	40.71	19.13	19.05	18.89	18.15	18.19	18.12
4000	36.77	36.46	36.18	19.79	19.73	19.59	18.65	18.71	18.64
4100	34.92	34.77	34.61	20.16	20.15	20.00	19.01	19.05	18.98
4150	34.15	34.06	33.95	20.44	20.38	20.35	19.17	19.23	19.25
4200	33.48	33.45	33.40	20.63	20.60	20.44	19.35	19.43	19.35
4300	32.39	32.48	32.51	21.07	21.12	20.95	19.77	19.82	19.74
5000	32.66	33.31	33.75	21.14	21.06	20.75	19.91	19.84	19.62
5100	33.83	34.49	34.92	20.44	20.31	20.00	19.34	19.23	18.99
5200	35.28	35.90	36.25	19.56	19.46	19.13	18.68	18.55	18.31
5300	36.93	37.40	37.57	18.78	18.71	18.41	18.02	17.84	17.62
5400	38.59	38.72	38.58	18.08	18.00	17.71	17.30	17.15	16.92
5500	39.85	39.47	38.92	17.38	17.33	17.10	16.68	16.50	16.29
5600	40.25	39.30	38.36	16.71	16.73	16.53	16.05	15.93	15.74
5700	39.49	38.12	36.97	16.19	16.21	16.07	15.52	15.43	15.27
5800	37.62	36.16	34.99	15.66	15.76	15.64	15.04	14.95	14.83
5900	35.18	33.84	32.80	15.30	15.34	15.27	14.64	14.58	14.50
6000	32.54	31.47	30.62	14.95	15.03	15.02	14.33	14.29	14.25
6100	30.09	29.30	28.66	14.71	14.85	14.89	14.05	14.08	14.07
6200	27.93	27.42	26.99	14.55	14.75	14.82	13.89	13.94	13.96
6300	26.14	25.88	25.66	14.46	14.70	14.82	13.79	13.87	13.94
7000	26.23	28.09	29.48	16.34	17.19	18.02	15.48	16.25	16.94
8000	8.94	8.89	8.76	16.75	17.49	18.13	15.49	16.19	16.71
8800	3.08	3.50	3.75	23.88	22.46	21.15	21.70	21.04	19.96
9000	2.69	3.10	3.36	20.37	19.69	18.76	19.33	18.85	18.00
9900	2.01	2.36	2.59	13.43	13.94	13.88	13.11	13.51	13.42
10000	1.98	2.33	2.54	13.18	13.70	13.73	12.86	13.27	13.26
13000	1.31	1.66	1.86	20.71	20.63	20.41	23.50	24.97	25.19
13900	1.33	1.66	1.83	20.20	19.40	18.82	26.44	24.61	22.98
14000	1.32	1.65	1.82	19.96	19.29	18.67	26.01	24.23	22.61
14100	1.31	1.63	1.80	19.75	19.27	18.58	25.66	23.83	22.26
14200	1.28	1.60	1.77	19.62	19.21	18.57	25.55	23.65	22.12
14300	1.26	1.58	1.75	19.56	19.09	18.51	25.16	23.34	21.86
14400	1.24	1.56	1.73	19.52	19.05	18.43	24.96	23.02	21.59
14500	1.22	1.54	1.71	19.47	19.14	18.51	24.70	22.78	21.41
14600	1.20	1.52	1.69	19.43	19.06	18.46	24.59	22.46	21.17
15000	1.12	1.45	1.63	19.66	19.44	18.85	23.60	21.98	20.82
15500	1.04	1.38	1.56	20.72	20.80	20.20	23.54	22.27	21.21
16000	0.99	1.33	1.52	24.16	24.05	23.13	24.00	23.18	22.05
17000	0.96	1.33	1.52	31.43	34.35	32.01	22.40	22.67	22.14
18000	0.98	1.35	1.55	24.46	26.47	28.60	21.23	21.39	21.63
20000	1.03	1.44	1.67	23.99	23.35	21.85	21.78	20.84	19.66



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IF/RF MICROWAVE COMPONENTS

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY		
	(nsec)		
	@-55°C	@+25°C	@+105°C
9900	0.25	0.25	0.25
10000	0.25	0.25	0.25
10200	0.24	0.24	0.24
10400	0.23	0.23	0.23
10600	0.23	0.23	0.23
10800	0.22	0.22	0.22
11000	0.22	0.22	0.22
11200	0.22	0.22	0.22
11400	0.21	0.21	0.22
11600	0.21	0.21	0.21
11800	0.21	0.21	0.21
12000	0.21	0.21	0.21
12200	0.21	0.21	0.21
12400	0.21	0.21	0.21
12600	0.21	0.20	0.21
12800	0.20	0.20	0.20
13000	0.20	0.20	0.20
13200	0.20	0.20	0.20
13400	0.20	0.20	0.20
13600	0.20	0.19	0.20
13800	0.19	0.19	0.19
14000	0.19	0.19	0.19
14200	0.19	0.19	0.19
14400	0.19	0.19	0.19
14600	0.19	0.19	0.19
14800	0.19	0.19	0.19
15000	0.19	0.19	0.19
15200	0.19	0.19	0.19
15400	0.19	0.19	0.19
15600	0.19	0.19	0.19
15800	0.19	0.19	0.19
16000	0.19	0.19	0.19
16200	0.19	0.19	0.19
16400	0.19	0.19	0.19
16600	0.19	0.19	0.19
16800	0.19	0.19	0.19
17000	0.19	0.19	0.19
17200	0.19	0.19	0.19
17400	0.19	0.19	0.19
17600	0.19	0.19	0.19
17800	0.19	0.19	0.19
18000	0.19	0.19	0.19
18200	0.19	0.19	0.19
18400	0.19	0.19	0.19
18600	0.19	0.19	0.19
18800	0.19	0.19	0.19
19000	0.19	0.19	0.19
19200	0.19	0.19	0.19
19400	0.19	0.19	0.19
19600	0.19	0.19	0.19
20000	0.19	0.19	0.19