

# Coaxial Reflectionless High Pass Filter

# ZXHF-K73M+

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURN LOSS (dB)		
	@ -40°C	@ +25°C	@ +85°C	@ -40°C	@ +25°C	@ +85°C	@ -40°C	@ +25°C	@ +85°C
10	71.85	66.06	63.98	22.11	20.69	19.72	22.29	20.86	19.87
50	64.02	61.90	60.22	22.14	20.76	19.78	22.23	20.85	19.87
100	57.53	56.49	55.63	21.99	20.73	19.77	22.05	20.81	19.87
200	47.99	47.76	47.53	21.72	20.61	19.71	21.71	20.59	19.73
400	37.46	37.59	37.65	21.28	20.20	19.39	21.24	20.10	19.26
600	31.86	32.07	32.21	20.61	19.60	18.95	20.56	19.50	18.78
800	28.69	28.94	29.12	19.79	19.00	18.39	19.58	18.75	18.17
1000	27.11	27.40	27.61	19.07	18.38	17.94	18.87	18.18	17.70
1200	26.78	27.11	27.35	18.47	17.96	17.58	18.21	17.72	17.33
1400	27.63	28.02	28.30	18.16	17.79	17.47	18.03	17.70	17.34
1600	29.81	30.28	30.61	18.23	17.93	17.70	18.25	18.00	17.67
1800	33.76	34.35	34.77	18.63	18.46	18.20	18.98	18.74	18.44
2000	40.58	41.36	41.88	19.47	19.30	19.05	20.08	19.81	19.45
2200	52.23	52.64	52.76	20.89	20.77	20.45	21.95	21.54	21.17
2400	64.03	70.38	83.61	23.24	23.00	22.67	24.72	24.10	23.58
2600	46.31	45.56	45.00	26.65	26.15	25.60	28.79	27.59	26.81
2800	37.29	37.08	36.92	29.09	28.39	27.64	30.79	29.07	28.24
3000	32.94	33.00	33.03	26.68	26.32	25.89	27.48	26.47	26.01
3200	31.21	31.47	31.62	23.33	23.13	22.90	24.03	23.32	23.10
3400	31.63	32.04	32.30	20.85	20.65	20.49	21.58	21.17	20.94
3600	34.26	34.74	35.01	19.24	19.02	18.82	19.93	19.65	19.48
3800	38.73	38.73	38.58	18.39	18.06	17.90	19.03	18.90	18.74
4000	39.28	38.06	37.19	18.15	17.78	17.58	18.63	18.60	18.44
4200	32.56	31.67	31.07	18.45	18.03	17.86	18.91	18.89	18.78
4400	26.50	26.24	26.07	19.36	18.99	18.81	19.85	19.85	19.71
4600	23.28	23.59	23.81	21.08	20.77	20.62	21.81	21.69	21.62
4800	23.66	24.70	25.46	24.17	24.09	24.12	25.52	25.37	25.33
5000	31.44	34.07	35.51	33.97	32.54	30.59	35.10	31.76	30.09
5200	41.62	36.59	33.10	26.50	24.22	23.20	25.59	24.26	23.57
5400	19.46	17.93	16.94	19.31	18.92	18.81	20.26	20.06	20.11
5600	9.80	9.65	9.50	18.90	19.10	19.21	20.99	21.08	21.24
5800	5.81	6.03	6.13	21.62	21.11	20.80	24.07	23.02	22.57
6000	4.00	4.30	4.46	22.64	21.73	21.33	24.29	23.04	22.62
6200	3.06	3.37	3.53	22.49	22.03	21.72	23.65	23.25	23.13
6400	2.51	2.80	2.96	22.69	22.56	22.34	23.90	24.21	24.23
6600	2.15	2.43	2.58	23.32	23.38	23.16	25.10	25.79	26.00
6800	1.91	2.17	2.31	24.13	24.13	23.83	27.02	27.64	27.67
7000	1.73	1.98	2.12	25.09	24.79	24.34	29.25	28.85	28.25
7200	1.59	1.84	1.97	25.63	25.10	24.38	30.71	28.33	27.48
7400	1.49	1.73	1.85	25.87	24.93	24.22	29.49	26.69	25.77
7600	1.40	1.64	1.76	25.39	24.28	23.61	27.68	25.02	24.19
7800	1.34	1.57	1.69	24.63	23.28	22.72	25.69	23.45	22.69
8000	1.28	1.52	1.63	23.54	22.29	21.71	23.79	22.00	21.25
8200	1.24	1.47	1.58	22.82	21.43	20.91	22.42	20.84	20.18
8400	1.21	1.44	1.54	22.20	20.79	20.23	21.12	19.85	19.21
8600	1.18	1.41	1.51	21.66	20.26	19.75	20.25	19.11	18.56
8800	1.16	1.38	1.48	21.19	19.87	19.41	19.39	18.42	17.97
9000	1.14	1.36	1.46	20.54	19.53	19.11	18.65	17.95	17.55
9200	1.13	1.35	1.44	20.00	19.20	18.90	18.15	17.64	17.35
9400	1.12	1.33	1.43	19.51	18.95	18.68	17.76	17.41	17.14
9600	1.11	1.32	1.42	19.10	18.71	18.51	17.56	17.31	17.07
9800	1.10	1.32	1.41	18.90	18.65	18.50	17.29	17.20	16.98
10000	1.10	1.31	1.40	18.82	18.68	18.56	17.28	17.22	17.01
10500	1.08	1.29	1.38	19.15	19.17	19.00	17.94	17.94	17.81
11000	1.05	1.25	1.33	20.05	20.17	19.79	20.49	20.54	20.32
11500	0.98	1.18	1.26	21.21	21.18	20.53	24.68	24.52	23.97
12000	0.93	1.14	1.22	22.32	22.09	21.64	28.56	28.47	28.10
12500	0.91	1.13	1.21	22.95	22.98	23.10	26.72	27.96	29.16
13000	0.92	1.13	1.21	23.11	23.80	24.99	23.16	24.17	25.70
13500	0.93	1.15	1.23	22.47	23.58	25.38	21.03	21.58	22.75
14000	0.95	1.17	1.26	21.18	22.44	23.64	20.25	20.58	21.42
14500	0.97	1.20	1.28	20.27	21.35	22.17	19.75	20.37	21.01
15000	0.99	1.22	1.31	19.67	20.94	21.68	18.97	20.22	20.81
15500	1.00	1.24	1.33	19.80	21.04	22.12	19.47	20.94	21.89
16000	1.01	1.27	1.36	20.45	21.09	22.17	21.24	22.45	23.88
16500	1.03	1.31	1.41	20.61	20.17	20.70	20.50	20.57	21.19
17000	1.09	1.39	1.49	18.72	18.19	18.34	17.34	17.12	17.27
17500	1.18	1.50	1.60	16.51	16.19	16.31	15.19	14.91	15.08
18000	1.29	1.62	1.71	14.85	14.64	14.76	13.64	13.22	13.44
18500	1.36	1.71	1.79	13.78	13.42	13.53	12.67	11.93	12.17
19000	1.39	1.73	1.81	13.23	12.63	12.78	12.63	11.75	12.02
19500	1.39	1.69	1.78	12.67	12.55	12.79	12.84	12.66	12.96
20000	1.37	1.62	1.71	12.59	13.42	13.88	12.64	13.81	14.23



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