

# Coaxial High Pass Filter (Ultra Reliable)

# VHP-19

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURNLOSS (dB)		
	@ -55° C	@ +25° C	@ +100° C	@ -55° C	@ +25° C	@ +100° C	@ -55° C	@ +25° C	@ +100° C
1	92.34	93.02	92.90	0.01	0.04	0.05	0.00	0.04	0.05
50	67.17	67.77	67.68	0.07	0.10	0.12	0.05	0.10	0.10
100	61.69	61.93	61.85	0.10	0.13	0.15	0.08	0.13	0.14
350	51.23	51.19	51.35	0.16	0.21	0.23	0.13	0.20	0.21
800	44.23	44.22	44.30	0.20	0.27	0.33	0.17	0.26	0.30
1060	42.55	42.60	42.70	0.22	0.30	0.38	0.19	0.30	0.35
1300	46.78	47.51	48.44	0.23	0.34	0.44	0.23	0.35	0.42
1380	58.50	56.64	53.27	0.25	0.37	0.47	0.24	0.37	0.45
1415	51.02	48.14	45.74	0.25	0.38	0.49	0.25	0.38	0.47
1440	45.53	43.54	41.76	0.27	0.39	0.50	0.25	0.39	0.48
1450	43.81	42.01	40.39	0.26	0.39	0.51	0.26	0.39	0.49
1475	40.16	38.70	37.35	0.27	0.40	0.52	0.27	0.41	0.51
1515	35.45	34.27	33.15	0.30	0.43	0.56	0.29	0.43	0.54
1565	30.63	29.63	28.66	0.32	0.46	0.60	0.32	0.48	0.60
1625	25.58	24.66	23.79	0.37	0.53	0.69	0.38	0.56	0.70
1650	23.61	22.71	21.87	0.40	0.58	0.74	0.41	0.60	0.75
1690	20.55	19.67	18.85	0.47	0.66	0.86	0.49	0.70	0.87
1755	15.75	14.90	14.11	0.68	0.94	1.20	0.71	0.99	1.24
1830	10.43	9.64	8.94	1.27	1.71	2.17	1.33	1.79	2.26
1910	5.42	4.91	4.50	3.17	4.11	5.11	3.31	4.30	5.35
1995	2.13	2.09	2.09	8.96	10.90	12.91	9.42	11.58	13.93
2100	1.02	1.21	1.37	22.21	21.50	20.33	32.62	26.40	22.86
2300	0.76	0.92	1.06	16.26	16.85	17.14	16.84	17.57	17.87
2500	0.58	0.73	0.86	19.25	19.90	20.40	21.16	21.88	22.08
3000	0.48	0.62	0.75	16.33	16.84	17.23	16.42	16.87	17.27
3500	0.37	0.53	0.66	18.55	18.45	18.08	17.94	18.10	18.27
4000	0.29	0.45	0.60	21.08	20.32	19.75	20.60	20.25	20.08
4500	0.25	0.42	0.58	21.48	21.82	22.11	22.04	22.85	22.86
5000	0.24	0.41	0.61	21.24	22.80	25.96	23.03	25.17	26.84
5500	0.30	0.48	0.74	16.76	17.31	17.92	17.75	18.14	18.36
6000	0.45	0.67	0.90	12.65	12.37	12.25	12.99	12.61	12.24
6360	0.62	0.91	1.18	10.42	9.87	9.55	10.58	10.01	9.55
7000	1.14	1.51	1.80	7.16	6.86	6.71	7.28	7.03	6.79
7500	1.89	2.14	2.34	5.04	5.18	5.34	5.36	5.38	5.45
8290	2.83	3.02	3.22	3.41	3.70	3.89	3.42	3.81	4.06
9000	3.21	3.78	3.82	2.98	3.21	3.22	3.04	3.72	3.48
10000	3.52	3.68	3.87	2.75	3.01	3.38	3.05	3.08	3.47
11000	3.19	3.54	3.78	3.08	3.34	3.68	3.03	3.27	3.45
11630	2.89	3.49	3.97	3.51	3.62	3.86	3.46	3.51	3.50
12000	3.02	3.59	4.13	3.47	3.75	4.10	3.49	3.65	3.71
14000	0.74	1.15	1.49	11.36	11.74	12.84	11.59	11.70	12.16

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