

Coaxial High Pass Filter (Ultra Reliable)

VHP-16

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	99.75	101.37	96.92	0.02	0.05	0.07	0.02	0.05	0.07
50	78.23	79.78	75.34	0.08	0.11	0.13	0.09	0.12	0.14
100	72.14	71.82	71.87	0.10	0.13	0.15	0.11	0.15	0.17
190	67.36	66.33	66.26	0.14	0.17	0.19	0.14	0.19	0.21
460	61.44	61.52	61.50	0.20	0.26	0.29	0.20	0.26	0.30
775	71.19	72.63	74.10	0.27	0.35	0.41	0.26	0.34	0.40
805	80.98	78.72	75.70	0.28	0.36	0.42	0.27	0.35	0.41
835	70.53	68.49	67.03	0.29	0.37	0.43	0.28	0.36	0.42
885	60.27	59.27	58.34	0.31	0.39	0.46	0.29	0.38	0.45
980	49.56	48.91	48.23	0.34	0.44	0.51	0.32	0.42	0.49
1030	45.20	44.59	43.94	0.36	0.46	0.55	0.35	0.45	0.53
1090	40.42	39.82	39.17	0.39	0.50	0.59	0.38	0.48	0.57
1155	35.50	34.88	34.21	0.43	0.55	0.66	0.41	0.53	0.64
1220	30.64	29.99	29.29	0.49	0.63	0.76	0.47	0.60	0.73
1285	25.73	25.03	24.30	0.57	0.75	0.90	0.55	0.71	0.87
1300	24.59	23.88	23.14	0.61	0.78	0.95	0.58	0.74	0.91
1350	20.69	19.94	19.17	0.73	0.95	1.16	0.69	0.90	1.10
1415	15.46	14.68	13.90	1.06	1.38	1.71	1.00	1.29	1.60
1475	10.54	9.80	9.11	1.81	2.36	2.96	1.69	2.19	2.74
1550	5.04	4.66	4.36	4.79	6.14	7.63	4.44	5.63	6.91
1580	3.48	3.32	3.23	7.47	9.43	11.58	6.84	8.45	10.10
1595	2.91	2.85	2.84	9.34	11.70	14.31	8.44	10.26	12.04
1900	0.94	1.12	1.26	21.92	23.65	24.87	22.86	25.35	27.47
1990	0.81	0.99	1.14	28.83	27.86	26.81	39.63	33.27	29.84
2500	0.54	0.69	0.82	33.99	31.29	28.56	25.43	25.01	24.54
2700	0.59	0.75	0.89	16.65	15.89	15.43	16.05	15.46	15.15
3500	1.60	1.77	1.92	5.95	6.03	6.13	5.96	6.00	6.07
4000	1.78	1.94	2.10	5.30	5.46	5.60	5.31	5.45	5.56
5000	0.97	1.12	1.30	8.32	8.59	8.70	8.20	8.55	8.70
6000	0.29	0.50	0.69	30.73	25.95	23.76	31.46	28.25	25.64
7000	1.18	1.49	1.81	7.47	7.23	6.99	7.35	7.19	7.02
8000	2.59	2.81	3.05	3.94	4.11	4.22	3.86	4.13	4.37
9000	2.42	2.51	2.65	4.80	5.58	6.30	4.69	5.43	6.16
9710	6.33	8.98	11.71	4.11	3.20	2.69	3.61	2.79	2.45
9910	14.35	18.05	21.93	1.44	1.50	1.58	1.33	1.38	1.47
10050	22.14	27.39	32.95	0.91	1.16	1.37	0.92	1.11	1.28
10180	33.94	41.09	38.25	0.78	1.09	1.39	0.78	1.02	1.23
10390	34.10	28.62	23.53	0.78	1.19	1.68	0.86	1.20	1.52
10540	22.85	17.88	14.19	0.98	1.66	2.63	1.10	1.72	2.42
10760	9.36	6.89	5.50	3.03	5.41	8.36	3.10	5.50	8.14
12000	3.63	4.19	4.65	3.08	3.15	3.37	3.05	3.17	3.29

REV. X1

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