

# Coaxial Low Pass Filter (Ultra Reliable)

# VLP-64

## 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
50	0.06	0.07	0.08	38.99	36.99	35.70	39.03	37.03	35.59
100	0.06	0.07	0.09	38.03	36.31	35.15	38.55	36.39	34.85
1000	0.14	0.21	0.26	27.72	28.90	30.01	29.51	31.09	32.81
2000	0.19	0.30	0.40	29.68	28.36	28.67	29.72	28.34	28.30
2500	0.24	0.37	0.49	21.23	21.15	21.31	21.60	21.24	21.06
3000	0.30	0.45	0.59	18.07	18.32	18.06	18.04	18.26	17.97
3500	0.34	0.51	0.67	18.48	18.34	17.82	18.01	17.98	17.76
4000	0.35	0.53	0.71	21.24	21.74	21.91	20.53	21.07	21.60
4500	0.36	0.58	0.76	29.81	35.30	36.27	28.51	32.37	34.53
5000	0.43	0.66	0.89	26.21	24.59	23.78	24.94	23.50	23.09
5400	0.54	0.78	1.03	21.75	23.59	24.39	20.80	22.13	22.68
5810	0.67	0.99	1.31	24.54	20.44	18.87	23.09	19.73	18.10
6300	2.27	2.84	3.44	6.22	6.02	5.95	6.22	5.93	5.70
6410	3.12	3.74	4.42	4.60	4.59	4.60	4.61	4.51	4.40
6520	4.09	4.76	5.53	3.40	3.46	3.52	3.49	3.45	3.42
6970	9.00	9.87	10.87	1.27	1.42	1.52	1.23	1.35	1.43
7460	14.08	15.01	15.74	0.61	0.84	1.00	0.67	0.80	0.93
8040	19.42	20.00	20.47	0.39	0.72	1.02	0.41	0.61	0.73
8690	24.36	25.09	25.83	0.32	0.69	1.13	0.31	0.51	0.66
9000	26.73	27.68	28.58	0.29	0.68	1.17	0.26	0.47	0.64
9250	29.04	30.04	30.93	0.25	0.66	1.17	0.23	0.44	0.66
9500	32.02	32.91	33.71	0.22	0.63	1.16	0.17	0.46	0.77
9930	40.71	42.31	43.79	0.25	0.62	1.06	0.15	0.42	0.71
10200	42.96	41.60	39.92	0.26	0.58	0.94	0.14	0.44	0.80
10400	33.55	33.11	32.36	0.30	0.60	0.92	0.23	0.55	0.92
10590	26.55	26.56	26.35	0.52	0.81	1.12	0.44	0.77	1.19
11000	25.15	25.82	27.35	0.40	0.73	0.95	0.40	0.68	0.97
11500	36.16	36.62	37.74	0.03	0.43	0.77	0.13	0.39	0.66
11700	41.04	41.42	42.60	0.02	0.40	0.81	0.08	0.36	0.63
12000	52.18	52.29	52.70	0.02	0.36	0.76	0.13	0.39	0.65
12200	49.72	49.17	48.04	0.06	0.37	0.80	0.02	0.34	0.62
12500	42.26	42.07	41.61	0.04	0.32	0.72	0.02	0.31	0.61
13000	36.79	37.11	37.12	0.01	0.33	0.69	0.02	0.26	0.50
14000	32.44	32.86	33.02	0.01	0.41	0.77	0.03	0.20	0.37
15000	30.68	30.71	30.56	0.09	0.42	0.94	0.01	0.26	0.47
16000	29.18	29.56	29.56	0.12	0.48	1.23	0.04	0.27	0.56
17000	29.97	30.12	30.61	0.07	0.56	1.55	0.00	0.33	0.69
18000	26.83	28.92	30.58	0.44	0.97	1.40	0.13	0.49	0.96
19000	21.69	17.46	16.80	1.42	2.59	2.59	1.07	2.90	3.09
20000	7.23	6.10	5.85	3.99	7.17	13.56	2.33	4.10	6.01

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