

Coaxial Low Pass Filter (Ultra Reliable)

VLP-20

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	0.04	0.05	0.09	47.91	46.06	44.75	47.85	46.06	44.85
50	0.08	0.11	0.13	36.92	35.05	33.76	36.99	35.06	33.86
100	0.10	0.13	0.16	36.68	35.11	33.94	36.58	34.87	33.81
500	0.20	0.27	0.33	47.22	40.86	35.52	35.25	33.33	31.15
1000	0.36	0.47	0.56	22.37	22.29	22.55	22.45	22.44	22.66
1200	0.42	0.54	0.64	21.63	22.22	23.24	21.91	22.59	23.71
1500	0.51	0.66	0.80	24.58	25.16	25.05	24.82	25.01	24.33
1700	0.65	0.83	1.02	21.24	21.34	20.70	20.15	19.65	18.65
1770	0.76	0.97	1.17	18.11	17.88	17.20	16.97	16.41	15.53
1980	2.17	2.60	3.05	6.96	6.59	6.22	6.53	6.15	5.77
1995	2.40	2.86	3.33	6.38	6.04	5.70	5.97	5.62	5.27
2080	4.12	4.72	5.34	3.76	3.59	3.44	3.49	3.33	3.16
2245	9.00	9.77	10.51	1.40	1.45	1.51	1.27	1.33	1.37
2395	14.02	14.76	15.51	0.70	0.83	0.94	0.64	0.76	0.86
2555	19.09	19.82	20.56	0.45	0.61	0.74	0.41	0.55	0.67
2700	23.54	24.28	25.08	0.35	0.51	0.65	0.32	0.46	0.59
2880	29.11	29.90	30.77	0.28	0.45	0.58	0.26	0.41	0.53
3030	34.10	34.99	36.00	0.27	0.43	0.57	0.22	0.37	0.51
3150	38.85	39.94	41.22	0.24	0.40	0.54	0.21	0.36	0.50
3240	43.35	44.84	46.62	0.23	0.39	0.52	0.19	0.35	0.49
3300	47.39	49.38	51.96	0.23	0.38	0.51	0.19	0.34	0.48
3350	52.19	55.13	58.55	0.25	0.39	0.52	0.18	0.34	0.47
3405	60.55	61.36	57.86	0.22	0.37	0.50	0.18	0.33	0.46
3520	51.50	49.93	48.66	0.23	0.37	0.48	0.18	0.34	0.46
3880	41.24	41.09	40.95	0.22	0.35	0.45	0.15	0.31	0.43
4500	37.30	37.33	37.37	0.21	0.35	0.43	0.13	0.29	0.39
5000	35.63	35.59	35.52	0.18	0.35	0.44	0.12	0.27	0.37
5500	33.84	33.81	33.70	0.16	0.34	0.46	0.11	0.26	0.35
6000	31.77	31.80	31.69	0.15	0.34	0.50	0.08	0.24	0.35
6500	29.38	29.45	29.39	0.15	0.34	0.55	0.11	0.30	0.45
7000	26.54	26.58	26.53	0.16	0.36	0.60	0.12	0.35	0.56
7200	25.09	24.96	24.72	0.19	0.42	0.70	0.18	0.45	0.71
7630	16.60	15.63	17.14	0.89	1.78	3.03	2.35	5.61	7.07
7750	15.34	21.82	33.69	3.02	4.58	2.94	6.64	3.21	2.07
7800	20.26	32.04	50.46	4.83	2.94	1.82	3.02	1.81	1.47
7860	33.20	58.16	45.36	2.40	1.39	1.21	1.35	1.11	1.13
8000	42.82	40.38	39.23	0.47	0.63	0.83	0.48	0.67	0.89
8500	21.60	15.80	12.84	0.71	1.68	2.36	1.19	2.87	4.07
9110	6.70	7.18	8.94	2.75	3.10	2.52	8.38	13.60	7.47
9500	15.17	16.69	17.95	0.50	0.69	0.85	0.87	1.00	1.24
10000	15.93	14.12	12.94	0.89	2.03	3.69	0.70	1.50	2.64

REV. X1

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