

Coaxial High Pass Filter

VHFG-650+

Typical Performance Data

FREQ.	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
(MHz)	(dB)			(dB)			(dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
10	76.26	75.96	71.24	0.23	0.33	0.43	0.24	0.33	0.44
20	72.22	73.87	71.71	0.23	0.33	0.43	0.24	0.33	0.45
30	69.33	68.98	68.95	0.23	0.33	0.44	0.24	0.34	0.45
40	66.05	66.50	66.28	0.23	0.33	0.44	0.24	0.35	0.46
50	64.46	64.46	64.47	0.24	0.34	0.44	0.25	0.35	0.47
60	62.76	62.81	62.92	0.24	0.35	0.45	0.26	0.36	0.47
70	61.60	61.72	61.34	0.25	0.35	0.46	0.26	0.36	0.48
80	60.36	60.54	60.56	0.25	0.36	0.46	0.27	0.37	0.49
90	59.66	59.64	59.74	0.26	0.37	0.47	0.28	0.38	0.49
100	58.76	58.85	58.94	0.27	0.38	0.48	0.28	0.39	0.50
150	56.08	56.18	56.20	0.32	0.43	0.54	0.33	0.43	0.54
200	54.38	54.52	54.65	0.38	0.49	0.61	0.37	0.48	0.60
250	53.17	53.33	53.36	0.43	0.56	0.69	0.42	0.54	0.67
300	51.96	52.00	52.02	0.49	0.63	0.78	0.48	0.61	0.75
350	50.38	50.37	50.31	0.57	0.72	0.91	0.55	0.70	0.87
390	49.19	49.05	48.87	0.65	0.83	1.05	0.63	0.80	1.01
430	49.29	48.89	47.97	0.76	0.98	1.26	0.75	0.96	1.23
490	39.76	37.47	35.01	1.12	1.45	1.91	1.12	1.46	1.92
580	10.70	10.23	9.99	5.37	7.04	9.05	5.77	7.70	10.13
600	6.74	6.87	7.18	10.10	12.15	14.03	11.31	14.02	16.35
650	3.21	3.67	4.24	26.21	26.70	23.68	22.57	20.89	18.72
700	2.45	2.88	3.40	14.51	13.30	12.20	13.50	12.40	11.39
730	2.41	2.80	3.25	10.22	9.79	9.39	9.85	9.40	9.00
800	2.45	2.70	2.99	7.00	7.10	7.24	6.90	6.97	7.09
880	2.09	2.24	2.42	7.00	7.32	7.70	6.97	7.26	7.63
900	1.95	2.09	2.25	7.29	7.66	8.10	7.27	7.61	8.04
950	1.58	1.69	1.83	8.46	8.95	9.55	8.46	8.93	9.52
1000	1.23	1.33	1.47	10.26	10.93	11.73	10.29	10.94	11.73
1150	0.60	0.72	0.88	23.28	26.14	29.47	23.63	27.07	32.14
1200	0.54	0.67	0.82	34.11	29.70	25.93	38.34	30.75	26.43
1300	0.54	0.68	0.83	18.12	17.13	16.29	18.11	17.05	16.20
1400	0.62	0.75	0.91	13.76	13.30	12.92	13.72	13.21	12.80
1500	0.70	0.83	0.98	11.76	11.50	11.29	11.70	11.40	11.16
1600	0.76	0.89	1.03	10.74	10.57	10.46	10.67	10.48	10.32
1700	0.79	0.91	1.06	10.25	10.14	10.08	10.18	10.05	9.94
1800	0.79	0.91	1.05	10.09	10.02	9.99	10.02	9.94	9.85
1900	0.76	0.88	1.02	10.16	10.14	10.12	10.11	10.07	10.01
2000	0.72	0.83	0.97	10.42	10.44	10.44	10.39	10.39	10.36
2100	0.67	0.77	0.91	10.85	10.91	10.93	10.85	10.90	10.90
2200	0.60	0.71	0.84	11.48	11.57	11.61	11.49	11.60	11.63
2300	0.53	0.64	0.77	12.29	12.43	12.50	12.33	12.49	12.57
2400	0.47	0.57	0.70	13.31	13.51	13.62	13.36	13.60	13.75
2600	0.36	0.46	0.59	16.12	16.56	16.79	16.24	16.73	17.11
2800	0.28	0.39	0.52	20.90	21.85	22.45	21.05	21.96	22.86
3000	0.25	0.37	0.51	32.80	36.82	42.71	29.58	29.45	29.47
3200	0.26	0.38	0.53	26.23	24.95	24.19	24.15	22.77	21.95
3400	0.30	0.44	0.59	19.21	18.65	18.35	18.38	17.73	17.37
3600	0.37	0.51	0.67	15.76	15.38	15.26	15.17	14.78	14.65
3800	0.46	0.60	0.76	13.54	13.30	13.27	13.08	12.87	12.86
4000	0.54	0.69	0.85	12.05	11.89	11.91	11.74	11.59	11.64
4200	0.61	0.76	0.94	11.06	10.93	10.98	10.85	10.72	10.78
4400	0.67	0.83	1.02	10.40	10.28	10.35	10.26	10.13	10.15
4600	0.71	0.88	1.09	9.95	9.85	9.94	9.87	9.73	9.69
4800	0.75	0.92	1.15	9.64	9.57	9.65	9.63	9.48	9.37
5000	0.76	0.94	1.19	9.45	9.42	9.47	9.52	9.37	9.18
5200	0.77	0.95	1.22	9.39	9.39	9.38	9.54	9.39	9.14
5400	0.76	0.95	1.22	9.48	9.50	9.43	9.67	9.54	9.26
5600	0.75	0.93	1.21	9.72	9.77	9.63	9.88	9.81	9.53
6000	0.70	0.87	1.13	10.61	10.78	10.53	10.67	10.80	10.73
6500	0.60	0.76	1.00	13.25	13.88	13.86	13.23	13.94	14.64

Typical Performance Data

FREQ.	GROUP DELAY		
(MHz)	(nsec)		
	@-55°C	@+25°C	@+125°C
730	1.98	1.89	1.80
750	1.74	1.67	1.60
800	1.33	1.29	1.26
850	1.10	1.08	1.06
900	0.97	0.96	0.96
950	0.90	0.89	0.89
1000	0.84	0.84	0.83
1050	0.79	0.79	0.78
1100	0.74	0.74	0.73
1150	0.69	0.69	0.68
1200	0.65	0.64	0.63
1250	0.60	0.59	0.59
1300	0.56	0.55	0.55
1350	0.52	0.52	0.51
1400	0.49	0.48	0.48
1450	0.46	0.46	0.45
1500	0.44	0.43	0.43
1600	0.40	0.40	0.39
1700	0.37	0.37	0.37
1800	0.35	0.35	0.35
1900	0.33	0.33	0.33
2000	0.32	0.32	0.32
2100	0.31	0.31	0.31
2200	0.31	0.31	0.31
2300	0.30	0.30	0.30
2400	0.29	0.29	0.30
2500	0.29	0.29	0.29
2800	0.28	0.28	0.28
3100	0.27	0.27	0.27
3400	0.26	0.26	0.26
3700	0.25	0.25	0.25
4000	0.24	0.24	0.25
4300	0.24	0.24	0.24
4600	0.24	0.24	0.24
4900	0.24	0.24	0.24
5000	0.24	0.24	0.24
5200	0.24	0.24	0.24
5400	0.24	0.24	0.24
6000	0.24	0.25	0.25
6500	0.26	0.26	0.27