

Coaxial Reflectionless High Pass Filter

VXHF-482M+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
	(dB)			(dB)			(dB)		
	@-55°C	@+25°C	@+100°C	@-55°C	@+25°C	@+100°C	@-55°C	@+25°C	@+100°C
10	64.47	60.75	57.71	21.17	19.33	18.03	21.18	19.34	18.02
20	63.35	60.06	58.27	21.11	19.31	18.04	21.14	19.34	18.03
100	51.08	50.25	49.62	20.43	19.19	18.25	20.67	19.31	18.26
120	48.69	48.16	47.71	20.27	19.16	18.30	20.54	19.29	18.33
300	35.54	35.74	35.85	20.81	18.87	17.85	20.70	19.14	18.19
450	30.24	30.56	30.81	20.02	18.58	17.19	20.60	18.96	17.61
500	29.08	29.43	29.71	19.67	18.44	17.10	20.39	18.87	17.53
600	27.43	27.82	28.16	19.21	18.18	17.02	19.85	18.68	17.42
700	26.55	26.98	27.35	18.93	17.94	17.02	19.28	18.49	17.36
1000	27.97	28.54	29.00	18.99	17.83	17.39	19.46	18.26	17.61
1200	33.18	33.86	34.35	19.40	18.66	18.23	19.76	18.82	18.32
1300	38.02	38.62	38.92	19.92	19.39	18.90	20.47	19.37	18.87
1500	44.24	43.36	42.66	22.07	21.70	21.07	21.93	21.19	20.51
1600	42.53	42.04	41.53	23.81	23.41	22.66	23.38	22.58	21.75
1700	42.17	41.34	40.61	25.78	25.35	24.50	25.47	24.37	23.30
1800	39.57	38.62	37.93	27.27	26.79	25.94	27.75	26.35	24.89
1900	35.32	34.82	34.45	26.86	26.49	25.91	29.34	27.52	25.70
2000	31.98	31.83	31.72	24.83	24.70	24.50	28.44	26.59	24.92
2100	29.87	29.95	30.01	22.63	22.68	22.76	25.70	24.39	23.11
2400	29.74	30.21	30.51	18.90	18.58	18.92	19.17	18.88	18.30
2600	33.70	33.89	33.91	17.73	17.61	17.68	17.33	17.09	16.87
2800	35.61	35.06	34.52	17.82	17.80	17.54	16.55	16.58	16.57
3000	30.75	30.01	29.52	19.49	19.23	18.73	16.97	17.20	17.52
3200	25.78	26.22	26.59	23.02	22.38	21.90	18.34	19.24	19.88
3400	30.45	32.31	33.71	28.41	27.89	26.97	21.77	23.17	24.09
3600	29.95	27.73	25.82	28.18	25.71	24.20	24.82	23.91	23.46
3800	11.20	11.09	10.97	23.63	23.12	22.80	20.48	20.45	20.52
4000	5.39	5.76	5.97	24.44	22.79	22.38	20.56	20.32	20.39
4200	3.32	3.72	3.97	21.29	21.59	22.20	19.93	20.54	21.28
4390	2.41	2.78	3.03	21.41	23.45	24.67	20.34	22.03	23.08
4600	1.87	2.22	2.46	25.84	28.46	27.47	22.53	23.38	22.96
4700	1.69	2.04	2.27	29.06	28.91	26.11	23.67	22.89	21.86
4750	1.63	1.97	2.20	29.66	27.75	25.12	23.88	22.32	21.25
4800	1.56	1.90	2.13	28.47	26.06	23.83	23.40	21.67	20.50
4890	1.48	1.80	2.02	24.29	23.27	21.95	21.39	20.26	19.37
4900	1.47	1.79	2.01	23.89	23.01	21.79	21.14	20.09	19.28
4950	1.43	1.75	1.96	21.96	21.69	20.87	19.83	19.34	18.69
5000	1.39	1.70	1.91	20.38	20.54	20.14	18.69	18.57	18.12
5100	1.35	1.65	1.85	17.80	18.59	18.67	16.78	17.18	17.10
5200	1.32	1.60	1.79	15.85	16.97	17.46	15.19	15.92	16.05
5400	1.27	1.55	1.72	13.59	14.63	15.44	13.01	13.82	14.27
5600	1.25	1.53	1.68	12.22	12.94	13.86	11.70	12.24	12.76
5800	1.25	1.54	1.69	11.17	11.70	12.40	10.67	11.05	11.42
6000	1.23	1.55	1.72	10.55	10.70	11.23	10.12	10.14	10.37
6200	1.21	1.58	1.77	10.19	9.99	10.28	9.82	9.50	9.52
6400	1.21	1.59	1.80	9.68	9.41	9.56	9.49	9.03	8.99
6600	1.24	1.62	1.83	9.16	8.96	9.01	9.10	8.73	8.63
6800	1.27	1.63	1.85	8.72	8.65	8.64	8.77	8.55	8.43
7000	1.28	1.62	1.84	8.46	8.49	8.47	8.58	8.50	8.41
7200	1.24	1.60	1.82	8.44	8.43	8.39	8.63	8.55	8.44
7400	1.20	1.56	1.78	8.61	8.53	8.47	8.84	8.73	8.67
7600	1.15	1.52	1.74	8.94	8.77	8.61	9.17	9.02	8.91
7800	1.05	1.42	1.65	9.50	9.19	8.93	9.74	9.44	9.27
8000	0.98	1.36	1.59	10.29	9.81	9.34	10.51	10.04	9.83
8200	0.84	1.21	1.43	11.17	10.55	10.05	11.30	10.81	10.50
8400	0.81	1.14	1.32	11.59	11.65	11.27	11.82	11.78	11.67
8600	0.81	0.97	1.15	12.24	13.21	12.84	12.48	13.42	13.24
8800	0.60	0.83	1.04	14.09	14.70	15.03	14.68	15.07	15.34
8850	0.55	0.82	1.02	14.13	15.12	15.64	14.94	15.59	15.95
9000	0.48	0.78	0.96	15.15	16.86	18.02	16.41	17.54	18.17



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IF/RF MICROWAVE COMPONENTS

REV. OR
VXHF-482M+
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Typical Performance Data

FREQ. (MHz)	GROUP DELAY		
	(nsec)		
	@-55°C	@+25°C	@+100°C
4800	0.37	0.35	0.34
4880	0.36	0.34	0.33
4960	0.35	0.33	0.32
5040	0.33	0.32	0.31
5120	0.32	0.31	0.30
5200	0.31	0.30	0.29
5280	0.30	0.29	0.29
5360	0.30	0.29	0.28
5440	0.29	0.28	0.28
5520	0.29	0.27	0.27
5600	0.28	0.27	0.27
5680	0.28	0.26	0.26
5760	0.27	0.26	0.26
5840	0.27	0.26	0.25
5920	0.26	0.25	0.25
6000	0.26	0.25	0.24
6100	0.26	0.24	0.24
6200	0.26	0.24	0.24
6300	0.25	0.24	0.23
6400	0.25	0.23	0.23
6500	0.25	0.23	0.22
6600	0.24	0.23	0.22
6700	0.24	0.22	0.22
6800	0.24	0.22	0.22
6900	0.23	0.22	0.21
7000	0.23	0.22	0.21
7100	0.23	0.22	0.21
7200	0.23	0.21	0.21
7300	0.23	0.21	0.21
7400	0.22	0.21	0.21
7500	0.22	0.21	0.21
7600	0.22	0.21	0.20
7700	0.22	0.21	0.20
7800	0.22	0.21	0.20
7900	0.22	0.21	0.20
8000	0.22	0.21	0.20
8100	0.22	0.21	0.20
8200	0.22	0.21	0.20
8250	0.22	0.21	0.20
8300	0.22	0.21	0.20
8350	0.22	0.21	0.20
8400	0.22	0.21	0.20
8450	0.22	0.21	0.21
8500	0.22	0.21	0.21
8550	0.22	0.21	0.21
8600	0.22	0.21	0.21
8650	0.22	0.21	0.21
8700	0.22	0.21	0.21
8750	0.22	0.21	0.21
8800	0.22	0.21	0.21
9000	0.22	0.21	0.21