


MMIC Reflectionless High Pass Filter

XHF2-1832+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
	(dB)			(dB)			(dB)		
	@-55°C	@25°C	@+105°C	@-55°C	@+25°C	@+105°C	@-55°C	@+25°C	@+105°C
100	6.82	6.83	6.83	7.03	7.05	7.05	7.01	7.04	7.05
500	7.13	7.16	7.18	6.92	6.97	6.99	6.92	6.96	6.98
1000	8.05	8.11	8.16	6.92	6.96	7.01	6.91	6.93	6.97
1500	9.42	9.52	9.59	7.06	7.12	7.18	7.04	7.06	7.11
2000	11.16	11.27	11.38	7.45	7.55	7.63	7.40	7.44	7.52
2500	13.15	13.30	13.44	8.16	8.30	8.44	8.04	8.12	8.25
3000	15.38	15.59	15.79	9.14	9.35	9.53	8.95	9.11	9.30
3500	17.77	18.07	18.33	10.47	10.68	10.93	10.17	10.42	10.67
4000	20.02	20.36	20.66	11.94	12.16	12.40	11.61	11.95	12.20
4500	21.45	21.73	21.98	13.31	13.60	13.79	13.07	13.55	13.74
5000	21.78	21.95	22.10	14.24	14.74	15.00	14.30	14.99	15.24
5500	21.58	21.68	21.79	14.79	15.53	16.07	15.20	16.04	16.58
6000	21.49	21.59	21.70	15.06	16.00	16.72	15.73	16.60	17.45
6500	21.84	21.99	22.13	15.19	16.17	16.92	16.07	16.77	17.69
7000	22.85	23.06	23.27	15.32	16.23	16.90	16.34	16.80	17.56
7500	24.81	25.11	25.42	15.44	16.22	16.85	16.43	16.76	17.33
8000	28.58	29.01	29.39	15.52	16.21	16.94	16.49	16.86	17.41
8500	37.66	37.39	36.64	15.78	16.39	17.36	16.60	17.20	17.99
9000	33.89	32.38	31.15	16.32	16.90	18.06	16.90	17.91	19.00
9500	25.57	25.14	24.75	17.30	18.07	19.05	17.67	19.19	20.62
10000	21.15	21.00	20.87	18.41	19.59	20.33	18.57	20.72	22.17
10500	18.24	18.23	18.23	18.82	20.34	21.09	19.02	21.02	22.19
11000	16.23	16.32	16.42	18.00	19.12	20.08	18.27	19.03	19.63
11500	14.87	15.07	15.25	16.45	16.88	17.67	16.59	16.42	16.68
12000	14.10	14.39	14.64	14.79	14.74	15.19	14.75	14.21	14.20
12500	13.87	14.25	14.62	13.42	13.23	13.27	13.37	12.69	12.54
13000	14.25	14.72	15.19	12.53	12.43	12.17	12.42	11.79	11.55
13500	15.42	15.91	16.35	12.10	12.22	11.84	12.11	11.64	11.44
14000	17.32	17.33	17.16	12.39	12.89	12.60	12.47	12.39	12.37
14500	17.08	15.89	14.93	14.22	15.19	15.41	14.18	14.85	15.13
15000	12.66	11.72	11.03	19.64	21.92	23.65	19.22	21.77	21.72
15500	8.71	8.31	8.04	28.37	27.92	21.88	38.76	23.32	19.25
16000	6.24	6.14	6.13	16.82	16.50	14.98	17.89	15.44	14.13
16500	4.72	4.75	4.85	13.14	13.18	12.70	13.59	12.68	12.20
17000	3.63	3.72	3.86	12.23	12.47	12.56	12.45	12.31	12.31
17500	2.79	2.89	3.06	12.96	13.52	14.15	12.90	13.56	14.11
18000	2.11	2.24	2.43	15.26	16.59	17.88	14.83	16.89	18.24
18500	1.59	1.76	1.99	21.01	23.37	23.90	19.42	23.95	26.36
19000	1.25	1.46	1.73	29.34	22.74	18.96	27.77	24.55	20.33
19500	1.08	1.31	1.62	18.33	16.81	14.86	20.40	17.79	15.74
20000	1.02	1.24	1.55	13.93	14.03	13.09	15.42	14.98	14.03
20500	1.00	1.18	1.48	12.37	13.42	13.14	13.61	14.39	14.35
21000	0.95	1.11	1.38	12.28	14.06	14.56	13.53	15.39	16.68
21500	0.85	1.01	1.28	14.06	16.43	17.68	15.28	18.65	22.65
22000	0.72	0.93	1.23	18.11	20.14	18.90	20.20	27.11	25.87
22500	0.65	0.90	1.25	23.31	19.92	15.70	34.26	23.80	17.18
23000	0.64	0.91	1.32	18.87	16.05	12.80	21.65	17.15	13.48
23500	0.68	0.95	1.36	14.83	13.46	11.34	16.24	13.98	11.63
24000	0.71	0.97	1.34	13.00	12.31	11.08	14.03	12.55	11.14
24500	0.72	0.96	1.28	12.00	11.83	11.58	12.86	11.92	11.41
25000	0.72	0.92	1.19	11.84	12.16	12.80	12.51	12.03	12.48
25500	0.69	0.87	1.10	12.09	12.89	14.74	12.58	12.66	14.02
26000	0.62	0.79	1.03	12.76	14.27	17.19	13.15	13.90	16.01
26500	0.58	0.75	1.01	13.94	16.06	19.00	13.68	15.21	17.33
27000	0.51	0.70	0.98	15.63	18.83	20.19	15.06	17.44	19.02
27500	0.46	0.66	0.97	17.60	21.47	21.26	16.65	19.74	20.55
28000	0.43	0.65	0.97	19.13	22.44	21.63	18.64	21.75	22.93
28500	0.41	0.64	0.97	19.28	21.69	21.90	19.92	23.19	26.93
29000	0.44	0.66	1.01	17.97	20.21	20.91	19.64	24.29	33.55
29500	0.46	0.70	1.07	17.55	19.46	18.80	21.00	31.17	29.69
30000	0.49	0.78	1.20	17.53	17.14	15.12	23.54	25.87	18.67



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