MMIC Reflectionless High Pass Filter XHF2-1352+

Typical Performance Data

FREQ.	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
(MHz)	(dB)			(dB)			(dB)		
	@-55˚C	@25°C	@+105°C	@-55°C	@+25˚C	@+105°C	@-55°C	@+25˚C	@+105°C
100	6.98	6.98	7.00	6.83	6.85	6.85	6.82	6.84	6.84
500	7.50	7.53	7.56	6.83	6.86	6.89	6.83	6.86	6.89
1000	9.03	9.11	9.17	7.06	7.09	7.15	7.07	7.12	7.17
1500	11.33	11.46	11.56	7.56	7.61	7.69	7.57	7.64	7.72
2000	14.22	14.40	14.55	8.34	8.45	8.56	8.34	8.47	8.58
2500	17.44	17.68	17.89	9.44	9.64	9.81	9.40	9.61	9.77
3000	20.20	20.45	20.65	10.88	11.16	11.39	10.70	10.98	11.20
3500	21.15	21.29	21.39	12.57	12.91	13.20	12.14	12.47	12.71
4000	20.76	20.83	20.89	14.18	14.63	14.91	13.51	13.91	14.12
4500	20.48	20.57	20.66	15.25	15.94	16.29	14.63	15.19	15.44
5000	20.99	21.13	21.27	15.63	16.56	17.14	15.47	16.34	16.86
5500	22.64	22.88	23.10	15.69	16.72	17.54	16.33	17.55	18.58
6000	26.26	26.73	27.14	15.83	16.79	17.61	17.34	18.75	20.14
6500	36.48	38.29	39.64	16.26	17.00	17.66	18.25	19.44	20.53
7000	32.03	31.35	30.71	16.72	17.34	17.89	18.33	19.06	19.61
7500	23.55	23.41	23.29	17.10	17.74	18.43	17.52	18.01	18.47
8000	19.61	19.65	19.69	17.30	18.11	19.00	16.57	17.07	17.64
8500	17.49	17.64	17.78	17.29	18.14	18.94	15.85	16.39	16.95
9000	16.68	16.93	17.12	16.72	17.38	17.88	15.28	15.87	16.29
9500	17.05	17.25	17.37	15.44	15.82	16.26	14.72	15.26	15.63
10000	17.60	17.23	16.82	13.99	14.23	14.72	14.10	14.61	15.11
10500	14.66	13.87	13.28	13.21	13.51	13.98	14.06	14.59	15.32
11000	10.01	9.57	9.26	14.19	14.78	15.20	15.76	16.63	17.47
11500	6.56	6.41	6.32	18.59	20.24	20.77	21.43	23.90	25.13
12000	4.35	4.38	4.43	25.88	28.78	31.05	23.53	23.91	24.88
12500	3.01	3.17	3.30	17.62	16.82	16.79	16.32	15.79	16.06
13000	2.24	2.47	2.66	13.57	12.83	12.58	13.01	12.46	12.40
13500	1.77	2.04	2.27	11.83	11.15	10.80	11.57	11.01	10.76
14000	1.47	1.73	1.98	11.18	10.61	10.25	11.02	10.55	10.20
14500	1.24	1.48	1.74	11.19	10.81	10.44	11.05	10.75	10.35
15000	1.04	1.27	1.51	11.77	11.58	11.29	11.60	11.48	11.14
15500	0.87	1.08	1.31	12.85	12.90	12.80	12.63	12.77	12.55
16000	0.71	0.92	1.13	14.50	14.88	15.11	14.17	14.58	14.63
16500	0.59	0.80	1.00	16.89	17.83	18.73	16.29	17.14	17.71
17000	0.49	0.70	0.91	20.60	23.28	26.25	19.68	21.56	23.11
17500	0.42	0.64	0.86	28.02	37.12	31.68	26.10	28.86	27.71
18000	0.39	0.63	0.87	27.84	23.15	20.01	27.79	23.54	20.40
18500	0.39	0.65	0.92	19.71	17.50	15.71	19.94	18.04	16.26
19000	0.44	0.70	0.97	15.67	14.76	13.65	15.75	15.13	14.20
19500	0.50	0.74	1.00	13.57	13.54	13.18	13.67	13.92	13.86
20000	0.53	0.74	0.97	12.74	13.50	13.80	12.81	13.91	14.61
20500	0.50	0.69	0.91	13.24	14.84	15.98	13.36	15.43	17.37
21000	0.43	0.62	0.85	15.06	17.76	19.48	15.38	18.93	23.48
21500	0.35	0.58	0.83	19.26	22.36	21.52	20.54	28.26	33.13
22500	0.31	0.60	0.93	19.87	17.53	14.56	21.18	18.37	15.20
23000	0.35	0.64	0.98	16.13	14.95	12.97	16.31	15.31	13.33
23500	0.38	0.66	0.99	14.51	13.99	12.74	14.46	14.21	12.92
24000	0.37	0.64	0.95	14.24	14.09	13.51	14.12	14.29	13.67
24500	0.34	0.61	0.88	14.84	15.08	15.49	14.77	15.42	15.78
25000	0.30	0.56	0.82	15.98	16.96	18.62	16.10	17.60	19.53
25500	0.26	0.52	0.79	17.69	19.57	22.55	17.99	21.04	25.78
26000	0.23	0.50	0.79	20.22	23.19	25.68	21.02	27.76	50.63
26500	0.21	0.50	0.79	23.32	25.88	25.42	25.06	40.22	31.29
27000	0.20	0.50	0.80	26.63	24.74	24.64	31.47	28.34	27.09
27500	0.19	0.51	0.81	25.92	23.06	24.72	28.00	24.28	25.47
28000	0.21	0.52	0.82	22.18	22.19	25.61	22.43	22.56	25.28
28500	0.23	0.53	0.85	20.40	22.68	27.82	20.25	22.98	26.46
29000	0.23	0.55	0.89	21.27	25.06	26.25	21.34	26.54	27.33
29500	0.24	0.59	0.99	25.81	24.04	18.91	26.46	25.70	20.08
30000	0.30	0.71	1.17	21.64	17.02	13.41	22.87	17.39	14.08