

# MMIC Reflectionless High Pass Filter Die

# XHF-14M-D+

## Typical Performance Data

Test Condition @ Temperature = +25°C

FREQ. (MHz)	INSERTION LOSS (dB)	INPUT RETURN LOSS (dB)	OUTPUT RETURN LOSS (dB)
10	63.02	59.92	41.79
100	60.77	45.33	40.30
200	53.06	39.31	37.46
300	47.32	35.62	34.84
400	42.97	33.04	32.66
500	39.57	30.96	30.83
600	36.85	29.24	29.25
700	34.64	27.77	27.87
800	32.81	26.47	26.62
900	31.32	25.30	25.48
1000	30.07	24.21	24.46
1500	26.84	19.96	20.33
2000	27.46	17.25	17.71
2500	32.13	15.92	16.44
3000	43.81	15.65	16.28
3500	61.72	16.47	17.19
4000	38.00	18.39	19.21
4500	32.01	20.24	20.89
5000	33.16	19.00	19.27
5500	40.57	16.15	16.48
6000	33.83	14.30	14.77
6500	24.57	14.00	14.57
7000	25.38	15.39	16.18
7500	33.52	23.68	23.74
8000	10.82	16.21	16.21
8800	3.28	20.10	20.70
9000	2.77	18.07	18.31
9900	1.83	12.90	12.97
10000	1.78	12.68	12.76
10500	1.58	12.13	12.25
11000	1.43	12.15	12.30
11500	1.32	12.52	12.73
12000	1.21	13.23	13.48
12500	1.13	14.15	14.46
13000	1.06	15.37	15.73
13500	1.00	16.77	17.29
14000	0.96	18.02	18.81
14500	0.92	19.16	20.19
15000	0.83	20.63	21.96
15500	0.72	22.94	25.00
16000	0.65	25.86	29.38
16500	0.61	28.51	34.27
17000	0.59	29.17	32.73
17500	0.59	27.29	28.30
18000	0.60	25.02	25.04
18500	0.60	23.04	22.83
19000	0.59	21.52	21.03
19500	0.57	20.46	19.95
20000	0.55	19.54	19.15
20500	0.55	18.87	18.60
21000	0.55	18.41	18.22
21500	0.55	18.07	17.84
22000	0.55	17.86	17.65
22500	0.55	17.76	17.54
23000	0.55	17.77	17.51
23500	0.55	17.76	17.55
24000	0.54	17.98	17.77
24500	0.54	18.34	18.20
25000	0.53	18.83	18.65
25500	0.52	19.28	19.30
26000	0.52	19.85	20.02



ISO 9001 ISO 14001 AS 9100 CERTIFIED



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site  
The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: [www.minicircuits.com](http://www.minicircuits.com)



IF/RF MICROWAVE COMPONENTS

REV. OR  
XHF-14M-D+  
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