

MMIC Reflectionless Band Pass Filter Die

XBF-24-D+

Typical Performance Data

Test Condition @ Temperature = +25°C

FREQ.	INSERTION LOSS	INPUT RETURN LOSS	OUTPUT RETURN LOSS
(MHz)	(dB)	(dB)	(dB)
10	72.43	23.20	24.92
50	83.99	23.19	24.91
100	92.92	23.20	24.94
200	88.63	23.23	24.97
300	88.40	23.25	25.01
400	84.01	23.28	25.05
500	86.26	23.32	25.09
600	89.44	23.34	25.13
700	91.97	23.38	25.18
800	97.29	23.43	25.23
900	94.35	23.46	25.28
1000	90.41	23.51	25.33
2000	83.35	23.83	25.44
3000	72.43	23.49	24.49
4000	64.60	22.22	22.66
5000	58.77	20.61	20.63
6000	55.22	18.71	18.67
7000	54.14	16.91	16.95
8000	57.05	15.32	15.63
9000	66.64	14.14	14.85
10000	65.75	13.60	14.93
11000	67.79	14.55	16.83
12000	36.17	20.40	20.71
13000	15.98	26.14	19.96
14000	8.05	20.29	18.17
15000	5.39	24.77	24.33
16000	4.40	32.12	27.94
17000	4.04	26.37	19.95
18000	4.05	15.64	13.85
19000	4.22	11.84	10.86
19500	4.26	11.42	10.49
19600	4.26	11.43	10.51
19700	4.26	11.46	10.56
19800	4.25	11.55	10.65
19900	4.24	11.69	10.78
20000	4.23	11.86	10.95
20100	4.23	12.07	11.14
20200	4.21	12.33	11.37
20300	4.20	12.63	11.63
20400	4.19	12.98	11.95
20500	4.19	13.41	12.27
21000	4.17	16.55	14.72
22000	4.51	19.41	16.70
23000	5.42	13.14	12.33
24000	6.65	13.80	12.86
25000	9.02	16.93	15.34
26000	13.81	14.91	14.15
27000	22.22	14.48	13.90
28000	34.01	12.69	12.54
29000	46.06	11.97	12.45
30000	49.60	12.33	13.52
31000	50.26	13.38	15.42
32000	49.18	14.96	18.14
33000	50.74	16.85	21.65
34000	52.37	19.22	25.76
35000	51.26	21.60	27.27
36000	49.37	23.39	24.74
37000	51.77	22.85	21.99
38000	52.67	21.10	20.01
39000	51.10	19.32	18.63
40000	49.87	17.58	17.60



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

IF/RF MICROWAVE COMPONENTS