

MMIC Reflectionless Band Pass Filter Die

XBF-183-D+

Typical Performance Data

Test Condition @ Temperature = +25°C

FREQ.	INSERTION LOSS	INPUT RETURN LOSS	OUTPUT RETURN LOSS
(MHz)	(dB)	(dB)	(dB)
10	83.55	23.40	25.14
50	86.15	23.41	25.14
100	85.36	23.43	25.16
200	88.13	23.45	25.18
300	94.32	23.45	25.20
400	91.74	23.48	25.23
500	91.19	23.49	25.25
600	90.63	23.50	25.25
700	98.35	23.51	25.26
800	93.25	23.53	25.27
900	92.65	23.53	25.26
1000	92.05	23.54	25.24
2000	80.51	23.20	24.43
3000	69.77	22.01	22.60
4000	61.70	20.18	20.43
5000	56.59	18.31	18.37
6000	54.16	16.35	16.48
7000	55.28	14.57	14.86
8000	64.16	13.09	13.71
9000	69.15	12.20	13.28
10000	68.76	12.82	14.55
11000	31.94	19.78	20.56
12000	12.78	32.12	23.76
13000	6.73	19.63	19.98
14000	4.90	18.73	21.81
15000	4.23	17.85	18.15
16000	4.10	14.26	13.16
17000	4.24	11.36	10.44
17500	4.30	10.77	9.94
17600	4.31	10.73	9.91
17700	4.32	10.72	9.90
17800	4.33	10.72	9.92
17900	4.33	10.77	9.97
18000	4.33	10.84	10.05
18100	4.33	10.96	10.14
18200	4.33	11.09	10.26
18300	4.32	11.28	10.41
18400	4.31	11.49	10.60
18500	4.30	11.76	10.82
19000	4.23	13.96	12.55
20000	4.37	21.79	17.36
21000	5.27	13.88	12.80
22000	6.67	13.59	12.56
23000	9.45	16.84	14.97
24000	15.31	15.11	13.86
25000	25.78	14.12	13.07
26000	40.18	12.16	11.78
27000	46.71	11.65	11.98
28000	48.36	12.10	13.13
29000	52.88	13.11	14.89
30000	51.66	14.46	17.25
31000	51.25	16.18	20.20
32000	50.04	18.17	23.38
33000	51.60	20.20	24.96
34000	51.79	21.92	23.99
35000	49.88	22.32	22.06
36000	47.63	21.52	20.29
37000	50.82	19.96	18.84
38000	51.38	18.29	17.68
39000	50.52	16.56	16.50
40000	47.55	13.92	14.95



ISO 9001 ISO 14001 AS 9100 CERTIFIED



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The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

REV. OR
XBF-183-D+
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