

MMIC Reflectionless Low Pass Filter Die XLF-172H-D+

Typical Performance Data

Test Condition @ Temperature = +25°C

FREQ. (MHz)	INSERTION LOSS (dB)	INPUT RETURN LOSS (dB)	OUTPUT RETURN LOSS (dB)
10	1.15	22.85	22.84
50	1.15	22.88	22.89
100	1.16	22.61	22.76
300	1.21	20.90	21.00
400	1.25	19.89	20.00
500	1.30	18.92	19.08
700	1.41	17.42	17.64
1000	1.61	16.28	16.56
1300	1.83	16.35	16.59
1500	1.98	17.12	17.23
1680	2.13	18.33	18.30
2000	2.45	22.41	21.60
2350	2.99	26.90	24.79
2700	3.96	21.83	21.35
3000	5.58	20.61	20.06
3500	15.04	22.33	21.06
3600	20.35	21.51	20.34
3800	42.42	18.92	18.02
4000	52.33	16.58	15.90
4500	39.23	12.79	12.53
5000	47.59	11.92	12.00
5500	42.81	12.07	12.50
6000	36.18	12.76	13.40
6500	35.27	13.59	14.33
7000	37.79	14.72	15.53
7500	43.06	16.62	17.19
8000	51.77	19.73	19.98
8500	72.05	23.18	23.29
9000	65.37	21.87	21.71
9500	62.41	18.33	18.22
10000	61.29	15.62	15.24
10500	59.06	13.61	12.87
11000	55.41	12.06	11.15
11500	52.60	10.86	9.74
12000	50.73	9.84	8.61
12500	49.38	9.03	7.77
13000	48.59	8.44	7.26
13500	48.37	7.99	6.88
14000	47.71	7.69	6.71
14500	46.88	7.57	6.64
15000	46.16	7.59	6.77
15500	44.65	7.69	7.01
16000	43.50	7.82	7.46
16500	42.76	7.94	7.90
17000	42.25	7.91	8.20
17500	42.12	7.77	8.25
18000	42.38	7.55	8.07
18500	43.19	7.25	7.70
19000	44.51	6.97	7.31
19500	46.69	6.75	6.89
20000	50.12	6.51	6.51
20500	53.55	6.35	6.09
21000	48.40	6.33	5.98
21500	43.42	6.36	5.87
22000	40.86	7.04	6.56
22500	43.65	8.87	7.96
23000	43.19	9.90	8.38
23500	43.05	8.90	7.51
24000	41.93	7.96	6.88
24500	41.11	7.43	6.53
25000	40.83	7.14	6.61
25500	40.82	6.88	6.69
26000	41.33	6.87	6.94

Note: "Test data of Die packaged in industry standard 4x4mm, 24-lead MCLP package"

