

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
	(dB)			(dB)			(dB)		
	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C
0.5	0.02	0.02	0.03	52.53	51.51	50.51	52.79	51.68	50.54
1.0	0.02	0.02	0.02	48.79	48.05	47.35	48.87	48.06	47.36
10.0	0.04	0.06	0.06	31.24	30.60	30.23	31.24	30.60	30.22
20.0	0.08	0.09	0.11	25.58	25.05	24.73	25.59	25.03	24.70
30.0	0.11	0.13	0.15	22.28	21.89	21.61	22.18	21.81	21.54
40.0	0.16	0.18	0.20	20.15	19.96	19.78	20.07	19.87	19.69
45.0	0.19	0.21	0.23	19.60	19.52	19.39	19.51	19.40	19.31
50.0	0.22	0.25	0.27	19.55	19.60	19.58	19.43	19.46	19.46
55.0	0.25	0.29	0.32	20.44	20.74	20.89	20.30	20.51	20.71
60.0	0.31	0.35	0.39	23.70	24.52	25.20	23.41	24.13	24.82
65.0	0.42	0.49	0.55	46.61	46.57	38.29	42.46	53.44	41.17
66.0	0.46	0.54	0.61	38.34	33.33	30.62	41.20	35.24	32.03
70.0	0.74	0.86	0.97	21.12	20.26	19.55	22.06	21.36	20.82
75.0	2.10	2.47	2.87	10.52	10.00	9.44	13.11	12.90	12.52
78.0	8.59	9.49	10.48	2.70	2.68	2.66	3.75	3.79	3.77
80.0	17.91	18.99	20.18	1.31	1.41	1.50	1.97	2.09	2.18
82.0	30.80	32.17	33.71	0.93	1.04	1.15	1.38	1.51	1.61
84.0	46.81	45.74	44.69	0.78	0.88	0.98	1.13	1.24	1.33
88.0	47.19	47.68	48.58	0.63	0.72	0.81	0.86	0.95	1.03
90.0	57.68	58.79	60.80	0.59	0.67	0.76	0.78	0.87	0.95
92.0	59.54	58.88	57.18	0.57	0.66	0.76	0.73	0.81	0.89
94.0	55.72	53.72	51.51	0.62	0.72	0.80	0.69	0.78	0.86
95.0	51.02	51.67	51.15	0.60	0.66	0.74	0.67	0.75	0.83
96.0	54.28	54.73	54.09	0.54	0.62	0.72	0.67	0.75	0.83
100.0	58.29	57.47	59.60	0.54	0.63	0.74	0.64	0.72	0.80
101.0	57.57	57.83	59.64	0.55	0.65	0.75	0.63	0.71	0.80
102.0	58.56	59.08	61.05	0.56	0.66	0.77	0.64	0.72	0.81
103.0	61.07	61.88	65.04	0.58	0.68	0.79	0.65	0.73	0.81
104.0	63.18	63.49	63.61	0.60	0.70	0.82	0.66	0.74	0.83
105.0	60.38	59.51	57.36	0.64	0.73	0.86	0.67	0.75	0.84
106.0	55.79	55.13	54.00	0.66	0.77	0.90	0.69	0.78	0.88
107.0	53.28	53.13	52.23	0.70	0.81	0.95	0.71	0.81	0.90
108.0	52.87	52.75	51.66	0.74	0.87	1.01	0.74	0.83	0.93
109.0	53.30	52.63	50.72	0.81	0.94	1.09	0.78	0.88	0.98
110.0	49.42	47.65	45.68	0.87	1.01	1.18	0.82	0.92	1.04
114.0	25.65	24.93	24.22	1.40	1.60	1.85	1.15	1.30	1.46
118.0	11.44	11.12	10.80	3.24	3.64	4.13	2.45	2.73	3.04
120.0	6.63	6.51	6.40	5.94	6.55	7.28	4.46	4.85	5.30
122.0	3.73	3.76	3.79	10.89	11.78	12.76	8.01	8.46	8.95
130.0	1.19	1.27	1.35	18.85	18.73	18.74	19.50	19.23	19.22
136.0	0.81	0.87	0.94	22.25	21.84	21.79	28.02	26.34	25.57
142.0	0.63	0.68	0.73	24.89	25.26	25.66	35.45	44.62	43.00
150.0	0.51	0.55	0.58	22.29	23.49	24.68	23.56	25.32	27.00
200.0	0.31	0.34	0.36	19.04	18.97	19.37	19.04	18.96	19.36
300.0	0.22	0.27	0.30	23.80	21.48	20.26	23.87	21.55	20.28
400.0	0.21	0.26	0.31	25.94	23.74	21.61	25.91	23.77	21.56
500.0	0.22	0.28	0.31	27.41	25.96	23.66	27.22	25.88	23.49
600.0	0.23	0.29	0.34	29.56	28.15	25.70	29.26	27.88	25.44
700.0	0.24	0.31	0.36	34.04	31.54	28.43	32.77	30.34	27.62
800.0	0.25	0.33	0.38	46.80	37.29	32.56	36.83	33.39	30.64
900.0	0.28	0.36	0.42	37.50	43.62	38.22	34.74	35.93	34.65
1000.0	0.31	0.39	0.45	31.05	35.17	34.70	31.04	33.88	34.88
1100.0	0.33	0.42	0.49	28.26	30.22	29.72	29.19	31.04	31.73
1200.0	0.37	0.47	0.56	26.46	27.48	26.93	27.75	29.21	29.57
1300.0	0.43	0.55	0.64	25.29	25.63	25.07	27.98	28.84	29.42
1400.0	0.53	0.68	0.78	24.66	24.38	23.94	30.87	30.87	32.00
1500.0	0.72	0.89	1.00	24.03	24.03	23.81	34.28	32.00	31.38
1600.0	0.89	1.05	1.16	25.49	25.65	24.92	27.71	26.50	26.14
1700.0	0.98	1.16	1.30	28.24	26.42	23.88	23.97	23.45	23.26
1800.0	1.15	1.39	1.59	23.96	21.28	19.18	22.13	21.40	21.13
2000.0	2.21	2.59	2.86	12.77	11.96	11.39	19.12	18.89	19.34



Typical Performance Data

FREQ. (MHz)	GROUP DELAY-1 (nsec)			FREQ. (MHz)	GROUP DELAY-2 (nsec)		
	@-40°C	@+25°C	@+85°C		@-40°C	@+25°C	@+85°C
	0.5	3.01	3.14		3.09	142.0	7.71
1.0	3.06	3.16	3.10	150.0	5.44	5.36	5.32
1.5	3.07	3.16	3.10	160.0	3.84	3.83	3.79
2.0	3.01	3.10	3.07	170.0	2.95	2.94	2.92
2.5	3.03	3.08	3.06	180.0	2.43	2.38	2.39
3.0	3.03	3.07	3.06	190.0	2.01	1.99	1.96
3.5	3.03	3.03	3.04	200.0	1.74	1.73	1.74
4.0	3.01	3.03	3.04	300.0	0.88	0.87	0.84
4.5	3.00	3.03	3.01	400.0	0.68	0.67	0.67
5.0	2.99	3.03	3.02	500.0	0.63	0.61	0.61
6.0	3.00	3.01	3.01	600.0	0.59	0.58	0.57
7.0	2.98	2.98	3.01	700.0	0.57	0.56	0.56
8.0	3.00	3.02	3.00	800.0	0.56	0.55	0.55
9.0	3.01	3.01	3.02	850.0	0.56	0.55	0.55
10.0	3.04	3.03	3.06	900.0	0.56	0.55	0.54
11.0	3.04	3.01	3.04	950.0	0.55	0.54	0.54
12.0	3.07	3.07	3.07	1000.0	0.55	0.54	0.54
13.0	3.05	3.03	3.08	1025.0	0.55	0.55	0.54
14.0	3.07	3.09	3.08	1050.0	0.55	0.54	0.53
15.0	3.11	3.11	3.12	1075.0	0.55	0.54	0.54
16.0	3.15	3.15	3.15	1100.0	0.55	0.54	0.54
17.0	3.16	3.19	3.16	1125.0	0.55	0.55	0.54
18.0	3.23	3.26	3.22	1150.0	0.55	0.54	0.54
19.0	3.23	3.22	3.22	1175.0	0.55	0.55	0.54
20.0	3.26	3.26	3.26	1200.0	0.55	0.55	0.54
21.0	3.31	3.28	3.31	1225.0	0.56	0.55	0.54
22.0	3.36	3.34	3.36	1250.0	0.56	0.55	0.54
23.0	3.41	3.39	3.39	1275.0	0.56	0.55	0.54
24.0	3.44	3.44	3.46	1300.0	0.56	0.55	0.55
25.0	3.47	3.46	3.50	1325.0	0.56	0.55	0.54
26.0	3.52	3.52	3.56	1350.0	0.56	0.56	0.55
27.0	3.60	3.59	3.62	1375.0	0.56	0.55	0.55
28.0	3.65	3.65	3.67	1400.0	0.56	0.55	0.55
29.0	3.75	3.75	3.74	1425.0	0.56	0.55	0.55
30.0	3.77	3.77	3.78	1450.0	0.56	0.55	0.54
31.0	3.83	3.85	3.84	1475.0	0.55	0.54	0.53
32.0	3.91	3.94	3.93	1500.0	0.55	0.54	0.53
33.0	3.98	3.99	4.00	1525.0	0.54	0.53	0.53
34.0	4.05	4.06	4.08	1550.0	0.54	0.53	0.53
35.0	4.14	4.16	4.17	1575.0	0.54	0.53	0.53
36.0	4.27	4.25	4.28	1600.0	0.55	0.55	0.54
37.0	4.35	4.37	4.38	1625.0	0.56	0.55	0.55
38.0	4.46	4.47	4.47	1650.0	0.56	0.55	0.55
39.0	4.60	4.57	4.59	1675.0	0.57	0.56	0.56
40.0	4.71	4.69	4.72	1700.0	0.57	0.57	0.56
42.0	4.93	4.95	4.96	1725.0	0.58	0.57	0.57
44.0	5.25	5.25	5.30	1750.0	0.59	0.58	0.57
45.0	5.41	5.43	5.45	1775.0	0.60	0.59	0.58
50.0	6.48	6.52	6.55	1800.0	0.59	0.59	0.58
55.0	8.05	8.10	8.16	1850.0	0.60	0.59	0.57
60.0	10.62	10.72	10.83	1900.0	0.60	0.58	0.56
65.0	15.03	15.21	15.42	1950.0	0.58	0.56	0.54
66.0	16.32	16.52	16.76	2000.0	0.57	0.55	0.53