

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	0.02	54.86	53.62	52.52	54.60	51.90	50.78
5.0	0.02	0.03	0.04	38.13	36.88	36.21	38.16	36.97	36.30
10.0	0.03	0.04	0.04	32.54	31.45	30.78	32.55	31.48	30.85
15.0	0.04	0.05	0.07	29.13	28.17	27.55	29.14	28.18	27.58
20.0	0.05	0.07	0.08	26.63	25.82	25.24	26.65	25.84	25.27
25.0	0.06	0.09	0.09	24.65	23.99	23.46	24.68	23.99	23.51
30.0	0.08	0.10	0.11	23.01	22.50	22.09	23.03	22.50	22.13
35.0	0.11	0.13	0.14	21.67	21.31	21.02	21.70	21.33	21.07
40.0	0.13	0.16	0.17	20.61	20.41	20.23	20.62	20.43	20.29
45.0	0.16	0.19	0.20	19.86	19.84	19.81	19.86	19.87	19.86
50.0	0.19	0.22	0.23	19.56	19.75	19.91	19.54	19.78	19.97
55.0	0.23	0.26	0.28	20.04	20.53	20.96	20.04	20.57	21.07
60.0	0.28	0.32	0.36	22.31	23.39	24.41	22.29	23.43	24.55
65.0	0.38	0.45	0.50	31.17	35.38	40.11	31.35	35.96	41.03
66.0	0.42	0.50	0.56	36.52	42.69	39.15	37.04	43.28	37.88
68.0	0.52	0.62	0.69	37.43	32.00	29.26	36.51	31.12	28.32
70.0	0.67	0.79	0.88	29.57	27.40	26.01	28.21	25.99	24.50
72.0	0.89	1.05	1.17	30.83	29.71	28.93	26.12	24.55	23.38
74.0	1.34	1.58	1.78	23.02	22.31	21.57	19.86	18.68	17.65
76.0	2.85	3.34	3.75	9.81	9.45	9.13	9.29	8.79	8.32
78.0	7.79	8.58	9.26	3.64	3.68	3.70	3.46	3.44	3.39
80.0	16.44	17.32	18.07	1.75	1.89	2.00	1.65	1.77	1.84
82.0	27.32	28.25	29.06	1.20	1.34	1.45	1.14	1.27	1.35
84.0	41.62	42.79	43.78	0.97	1.10	1.19	0.93	1.05	1.13
86.0	65.35	66.36	65.89	0.84	0.95	1.04	0.80	0.92	1.00
88.0	60.64	59.79	58.42	0.74	0.86	0.94	0.72	0.83	0.91
89.0	54.85	54.23	53.59	0.71	0.82	0.89	0.69	0.80	0.87
90.0	51.75	51.25	50.87	0.68	0.79	0.86	0.66	0.78	0.85
92.0	49.30	49.11	48.93	0.63	0.74	0.81	0.63	0.74	0.81
94.0	49.70	50.07	49.98	0.59	0.69	0.77	0.63	0.74	0.81
95.0	50.87	51.01	51.28	0.59	0.68	0.76	0.66	0.78	0.86
96.0	51.46	51.96	52.22	0.58	0.68	0.75	0.79	0.93	1.02
98.0	51.94	51.33	51.08	0.57	0.67	0.75	0.92	0.95	0.97
100.0	50.07	49.88	49.59	0.56	0.66	0.74	0.61	0.70	0.76
101.0	49.99	49.58	49.66	0.56	0.66	0.75	0.59	0.68	0.74
102.0	50.22	50.01	50.06	0.56	0.67	0.75	0.58	0.67	0.74
103.0	51.08	51.21	51.29	0.57	0.68	0.77	0.59	0.68	0.74
104.0	53.12	53.76	53.44	0.59	0.70	0.79	0.60	0.69	0.75
105.0	56.30	56.92	56.82	0.60	0.71	0.81	0.61	0.70	0.77
106.0	58.07	57.88	56.94	0.62	0.73	0.83	0.63	0.72	0.78
107.0	55.15	54.56	53.91	0.64	0.76	0.86	0.65	0.74	0.80
108.0	52.19	51.55	51.36	0.67	0.79	0.90	0.68	0.77	0.83
110.0	50.56	50.39	49.96	0.76	0.89	1.01	0.75	0.85	0.92
116.0	22.63	22.13	21.72	1.44	1.65	1.86	1.37	1.50	1.58
120.0	9.55	9.38	9.26	3.74	4.17	4.59	3.40	3.66	3.85
126.0	2.07	2.18	2.27	32.48	34.76	34.37	17.46	17.36	16.96
130.0	1.34	1.43	1.51	18.76	18.36	17.91	18.12	17.66	17.10
136.0	0.91	0.97	1.04	18.69	18.55	18.32	19.90	19.32	18.64
140.0	0.73	0.79	0.85	20.93	20.94	20.83	23.52	22.58	21.53
142.0	0.67	0.73	0.77	22.27	22.47	22.45	26.12	24.86	23.41
150.0	0.49	0.53	0.57	25.96	27.46	29.20	41.96	38.79	32.84
200.0	0.24	0.27	0.29	19.73	19.87	19.94	19.58	19.87	19.96
300.0	0.14	0.19	0.22	20.87	19.60	19.12	20.71	19.52	19.04
400.0	0.11	0.17	0.20	21.31	19.86	18.87	21.14	19.75	18.84
500.0	0.13	0.19	0.22	20.75	19.62	18.54	20.66	19.54	18.50
600.0	0.11	0.18	0.22	20.06	19.23	18.29	19.99	19.19	18.29
700.0	0.11	0.19	0.23	19.23	18.73	18.00	19.20	18.72	18.01
800.0	0.12	0.21	0.25	18.64	18.13	17.58	18.64	18.14	17.62
900.0	0.16	0.26	0.31	17.88	17.48	17.17	17.91	17.53	17.22
1000.0	0.22	0.33	0.38	17.35	16.87	16.72	17.44	16.93	16.76

Typical Performance Data

FREQ. (MHz)	GROUP DELAY-1		
	(ns)		
	@-40°C	@+25°C	@+85°C
0.5	2.59	2.66	2.62
1.0	2.61	2.65	2.63
1.5	2.59	2.63	2.61
2.0	2.61	2.64	2.63
2.5	2.60	2.63	2.62
3.0	2.63	2.65	2.64
4.0	2.63	2.62	2.61
5.0	2.64	2.62	2.64
6.0	2.63	2.64	2.63
7.0	2.65	2.65	2.65
8.0	2.64	2.66	2.66
9.0	2.68	2.67	2.66
10.0	2.68	2.65	2.66
11.0	2.72	2.72	2.71
12.0	2.70	2.70	2.67
13.0	2.71	2.71	2.70
14.0	2.75	2.74	2.71
15.0	2.75	2.76	2.76
16.0	2.77	2.75	2.75
17.0	2.82	2.80	2.79
18.0	2.84	2.83	2.85
19.0	2.89	2.88	2.87
20.0	2.91	2.89	2.89
21.0	2.96	2.94	2.95
22.0	3.04	3.00	2.99
23.0	3.04	3.02	3.02
24.0	3.08	3.07	3.07
25.0	3.13	3.10	3.11
26.0	3.20	3.19	3.19
27.0	3.24	3.22	3.21
28.0	3.30	3.29	3.31
29.0	3.37	3.37	3.36
30.0	3.45	3.43	3.42
31.0	3.52	3.49	3.49
32.0	3.58	3.59	3.54
33.0	3.65	3.65	3.63
34.0	3.75	3.73	3.72
35.0	3.80	3.80	3.80
36.0	3.92	3.91	3.92
37.0	4.02	4.00	4.02
38.0	4.13	4.14	4.13
39.0	4.22	4.24	4.25
40.0	4.35	4.35	4.35
41.0	4.49	4.48	4.48
42.0	4.62	4.63	4.63
43.0	4.75	4.77	4.77
44.0	4.92	4.92	4.92
45.0	5.10	5.10	5.10
46.0	5.29	5.28	5.29
47.0	5.47	5.48	5.48
48.0	5.67	5.68	5.71
49.0	5.92	5.94	5.94
50.0	6.14	6.17	6.20
51.0	6.40	6.43	6.46
55.0	7.72	7.78	7.82
60.0	10.23	10.31	10.39
65.0	14.67	14.81	14.92
66.0	15.94	16.08	16.24

FREQ. (MHz)	GROUP DELAY-2		
	(ns)		
	@-40°C	@+25°C	@+85°C
142.0	7.72	7.62	7.55
143.0	7.31	7.24	7.14
144.0	6.98	6.88	6.82
145.0	6.63	6.57	6.50
146.0	6.32	6.25	6.19
147.0	6.01	5.97	5.92
148.0	5.76	5.72	5.67
149.0	5.51	5.46	5.41
150.0	5.27	5.22	5.19
151.0	5.06	5.02	4.98
152.0	4.87	4.82	4.78
153.0	4.67	4.63	4.59
154.0	4.49	4.48	4.44
155.0	4.34	4.31	4.26
156.0	4.22	4.18	4.14
157.0	4.05	4.02	4.00
158.0	3.90	3.86	3.83
159.0	3.76	3.71	3.70
160.0	3.64	3.61	3.58
161.0	3.52	3.48	3.45
162.0	3.41	3.38	3.33
163.0	3.31	3.26	3.23
164.0	3.18	3.16	3.14
165.0	3.08	3.07	3.06
166.0	3.00	2.97	2.95
167.0	2.90	2.88	2.85
168.0	2.86	2.84	2.79
169.0	2.75	2.76	2.71
170.0	2.66	2.63	2.61
171.0	2.62	2.59	2.56
172.0	2.56	2.54	2.52
173.0	2.49	2.44	2.43
174.0	2.42	2.39	2.38
175.0	2.36	2.34	2.31
176.0	2.32	2.29	2.26
177.0	2.25	2.23	2.20
178.0	2.17	2.15	2.15
179.0	2.15	2.13	2.08
180.0	2.11	2.08	2.04
181.0	2.06	2.02	2.02
182.0	1.98	1.96	1.96
183.0	1.96	1.94	1.92
184.0	1.91	1.88	1.88
185.0	1.87	1.86	1.85
186.0	1.82	1.81	1.80
187.0	1.80	1.77	1.76
188.0	1.78	1.74	1.72
189.0	1.72	1.71	1.70
190.0	1.69	1.68	1.64
195.0	1.55	1.52	1.52
200.0	1.38	1.38	1.37
300.0	0.51	0.49	0.48
400.0	0.33	0.32	0.30
500.0	0.26	0.23	0.22
600.0	0.22	0.20	0.19
800.0	0.19	0.17	0.16
900.0	0.18	0.16	0.15
1000.0	0.18	0.16	0.15