

Typical Performance Data

FREQ.	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
(MHz)	(dB)			(dB)			(dB)		
	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C
1.00	0.01	0.01	0.01	55.15	53.58	52.47	54.78	53.32	52.23
10.00	0.04	0.04	0.04	37.11	36.09	35.39	37.12	36.09	35.43
25.00	0.06	0.07	0.07	29.77	28.90	28.29	29.83	28.98	28.38
40.00	0.09	0.10	0.11	25.76	25.16	24.66	25.84	25.25	24.76
50.00	0.12	0.13	0.14	23.90	23.51	23.14	24.06	23.66	23.30
60.00	0.14	0.16	0.18	22.57	22.44	22.25	22.80	22.68	22.49
70.00	0.18	0.21	0.23	21.86	22.06	22.11	22.22	22.44	22.52
80.00	0.24	0.27	0.30	22.24	22.91	23.35	22.79	23.55	24.08
84.00	0.27	0.31	0.34	22.94	23.86	24.52	23.59	24.69	25.49
90.00	0.35	0.41	0.45	25.18	26.56	27.54	25.99	27.61	28.71
92.00	0.39	0.45	0.50	26.46	27.91	28.82	27.25	28.87	29.65
94.00	0.44	0.51	0.55	28.14	29.52	30.01	28.75	29.97	29.89
96.00	0.50	0.57	0.64	30.46	31.32	30.87	30.54	30.63	29.42
100.00	0.66	0.77	0.86	43.59	37.10	33.13	34.92	30.60	27.98
105.00	1.15	1.33	1.49	21.92	21.99	21.81	20.98	20.15	19.23
111.00	5.07	5.68	6.30	5.84	5.73	5.61	5.13	4.95	4.75
113.00	9.01	9.80	10.59	3.51	3.54	3.56	2.84	2.83	2.80
114.00	11.52	12.36	13.21	2.84	2.91	2.97	2.18	2.24	2.25
116.00	17.40	18.33	19.24	2.08	2.19	2.27	1.47	1.56	1.62
120.00	32.31	33.41	34.51	1.48	1.60	1.68	0.95	1.04	1.12
122.00	42.19	43.47	44.90	1.34	1.44	1.53	0.83	0.93	0.99
125.00	65.74	68.53	69.43	1.18	1.29	1.37	0.71	0.80	0.87
127.25	56.11	55.38	54.21	1.10	1.21	1.29	0.65	0.74	0.80
128.00	53.39	52.54	52.33	1.08	1.19	1.27	0.63	0.72	0.78
130.00	49.31	48.99	48.75	1.05	1.16	1.24	0.60	0.68	0.74
132.00	47.64	47.39	47.26	1.05	1.17	1.27	0.57	0.65	0.71
134.00	47.67	47.60	47.46	1.13	1.27	1.40	0.55	0.63	0.70
135.00	48.17	48.09	48.19	1.25	1.41	1.59	0.54	0.63	0.69
136.00	49.06	49.29	49.41	1.50	1.73	1.98	0.54	0.63	0.69
138.00	59.22	59.78	60.37	2.76	2.79	2.71	0.55	0.63	0.69
140.00	61.65	62.60	62.28	1.54	1.57	1.58	0.54	0.63	0.70
142.00	67.13	66.66	67.43	1.04	1.16	1.24	0.55	0.63	0.70
144.00	70.25	69.15	68.07	0.93	1.06	1.15	0.57	0.66	0.73
145.00	69.38	67.91	69.06	0.91	1.05	1.15	0.59	0.68	0.75
146.00	68.09	69.14	67.62	0.91	1.04	1.15	0.60	0.69	0.77
148.00	66.21	64.48	64.59	0.94	1.08	1.18	0.65	0.74	0.82
150.00	61.54	61.09	59.42	0.99	1.13	1.25	0.70	0.80	0.88
152.00	55.57	53.38	51.73	1.07	1.23	1.37	0.77	0.88	0.98
152.75	51.78	49.81	48.00	1.12	1.28	1.42	0.82	0.92	1.02
157.00	31.67	30.58	29.52	1.55	1.75	1.95	1.14	1.28	1.42
160.00	21.44	20.68	19.89	2.24	2.52	2.81	1.66	1.85	2.03
170.00	3.32	3.38	3.41	28.88	28.67	27.54	13.47	13.58	13.68
180.00	1.49	1.56	1.61	16.90	16.54	16.38	17.19	16.71	16.53
190.00	0.95	1.00	1.04	23.93	23.03	22.41	25.30	23.84	22.93
200.00	0.72	0.75	0.79	27.36	28.62	29.66	26.71	27.44	27.61
210.00	0.60	0.63	0.65	23.70	24.78	26.48	22.90	23.67	24.65
220.00	0.51	0.55	0.56	22.01	22.46	23.67	21.35	21.70	22.53
230.00	0.46	0.49	0.51	21.40	21.42	22.26	20.83	20.82	21.47
240.00	0.42	0.45	0.47	21.33	20.94	21.52	20.81	20.43	20.86
250.00	0.39	0.42	0.45	21.52	20.75	21.07	21.03	20.31	20.54
260.00	0.36	0.40	0.43	21.85	20.72	20.81	21.40	20.33	20.36
270.00	0.34	0.38	0.40	22.28	20.79	20.66	21.85	20.47	20.28
280.00	0.32	0.36	0.39	22.78	20.93	20.62	22.39	20.65	20.30
290.00	0.31	0.35	0.37	23.34	21.17	20.66	22.94	20.90	20.36
300.00	0.30	0.35	0.38	23.93	21.44	20.74	23.54	21.18	20.48
400.00	0.26	0.30	0.34	27.25	24.15	22.11	27.10	24.02	22.01
500.00	0.25	0.30	0.34	27.95	26.37	24.08	28.05	26.50	24.15
600.00	0.26	0.31	0.35	29.47	27.69	25.80	30.73	28.91	26.59
700.00	0.27	0.33	0.36	29.12	27.87	26.38	32.77	31.18	28.75
800.00	0.28	0.36	0.39	27.09	26.67	25.74	32.12	32.46	30.83
900.00	0.30	0.38	0.41	25.24	25.13	24.71	30.31	31.93	32.39
1000.00	0.32	0.40	0.45	23.46	23.61	23.39	28.03	30.14	31.40

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
1.0	2.16	2.15	2.15	210.0	3.82	3.77	3.75
5.0	2.12	2.12	2.11	215.0	3.37	3.33	3.30
10.0	2.08	2.09	2.10	220.0	2.99	2.98	2.95
20.0	2.15	2.15	2.15	225.0	2.70	2.70	2.67
25.0	2.21	2.21	2.21	230.0	2.46	2.45	2.42
30.0	2.28	2.28	2.29	235.0	2.27	2.25	2.25
40.0	2.51	2.51	2.51	240.0	2.09	2.08	2.06
50.0	2.85	2.83	2.85	245.0	1.96	1.93	1.93
51.0	2.90	2.89	2.91	250.0	1.83	1.82	1.82
52.0	2.93	2.94	2.95	255.0	1.74	1.73	1.71
53.0	2.97	2.96	2.97	260.0	1.61	1.59	1.58
54.0	3.01	3.02	3.02	265.0	1.53	1.51	1.50
55.0	3.08	3.09	3.09	270.0	1.47	1.46	1.44
56.0	3.13	3.13	3.14	275.0	1.42	1.38	1.39
57.0	3.19	3.19	3.20	280.0	1.34	1.33	1.31
58.0	3.25	3.25	3.26	290.0	1.25	1.22	1.21
59.0	3.30	3.33	3.32	300.0	1.16	1.14	1.12
60.0	3.38	3.39	3.39	350.0	0.91	0.88	0.89
61.0	3.45	3.45	3.45	400.0	0.79	0.77	0.75
62.0	3.51	3.53	3.53	450.0	0.69	0.68	0.67
63.0	3.59	3.59	3.60	500.0	0.67	0.65	0.64
64.0	3.64	3.66	3.66	550.0	0.63	0.62	0.62
65.0	3.75	3.76	3.76	600.0	0.60	0.60	0.59
66.0	3.81	3.83	3.85	650.0	0.60	0.59	0.58
67.0	3.90	3.92	3.94	700.0	0.58	0.57	0.57
68.0	3.99	4.01	4.02	720.0	0.58	0.57	0.56
69.0	4.07	4.09	4.12	730.0	0.58	0.57	0.57
70.0	4.18	4.20	4.22	740.0	0.57	0.57	0.56
71.0	4.27	4.29	4.31	750.0	0.57	0.56	0.56
72.0	4.40	4.43	4.45	760.0	0.57	0.56	0.56
73.0	4.52	4.53	4.57	770.0	0.57	0.56	0.56
74.0	4.62	4.66	4.69	780.0	0.57	0.56	0.55
75.0	4.78	4.81	4.83	790.0	0.58	0.56	0.56
76.0	4.91	4.93	4.95	800.0	0.57	0.56	0.55
77.0	5.05	5.08	5.11	810.0	0.57	0.56	0.55
78.0	5.22	5.26	5.28	820.0	0.56	0.56	0.55
79.0	5.38	5.43	5.46	830.0	0.56	0.55	0.55
80.0	5.57	5.62	5.66	840.0	0.56	0.56	0.55
81.0	5.77	5.80	5.84	850.0	0.56	0.55	0.55
82.0	6.00	6.03	6.07	860.0	0.56	0.55	0.55
83.0	6.19	6.23	6.29	870.0	0.56	0.55	0.54
84.0	6.42	6.49	6.53	880.0	0.56	0.55	0.55
85.0	6.68	6.75	6.80	890.0	0.56	0.55	0.54
86.0	6.95	7.03	7.08	900.0	0.56	0.55	0.54
87.0	7.24	7.31	7.38	910.0	0.56	0.55	0.54
88.0	7.57	7.62	7.71	920.0	0.56	0.55	0.54
89.0	7.92	7.98	8.06	930.0	0.55	0.55	0.54
90.0	8.29	8.37	8.47	940.0	0.55	0.54	0.54
91.0	8.67	8.77	8.87	950.0	0.56	0.55	0.54
92.0	9.14	9.23	9.33	960.0	0.55	0.54	0.54
93.0	9.60	9.71	9.82	970.0	0.55	0.55	0.54
94.0	10.15	10.28	10.39	980.0	0.55	0.54	0.54
95.0	10.77	10.87	11.02	990.0	0.55	0.54	0.54
96.0	11.41	11.54	11.71	1000.0	0.55	0.55	0.54