

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
1.0	0.01	0.02	0.02	58.12	56.44	55.35	57.74	56.13	54.94
10.0	0.03	0.02	0.03	40.72	39.28	38.69	40.63	39.25	38.64
30.0	0.05	0.06	0.07	31.81	30.73	30.13	31.66	30.57	30.02
50.0	0.08	0.10	0.11	27.21	26.57	26.08	27.02	26.35	25.93
70.0	0.13	0.14	0.15	24.08	23.97	23.75	23.85	23.65	23.52
90.0	0.20	0.23	0.25	21.87	22.43	22.72	21.57	21.99	22.29
100.0	0.28	0.31	0.34	21.21	22.14	22.73	20.95	21.70	22.31
105.0	0.34	0.38	0.41	21.00	22.08	22.81	20.87	21.80	22.57
110.0	0.41	0.47	0.51	20.86	21.99	22.78	20.92	22.00	22.86
115.0	0.54	0.61	0.67	20.76	21.80	22.52	21.15	22.23	23.08
120.0	0.75	0.85	0.94	20.88	21.88	22.62	21.37	22.40	23.12
125.0	1.16	1.33	1.47	22.49	24.16	25.77	20.29	20.75	20.96
130.0	2.44	2.86	3.24	14.82	14.13	13.49	12.07	11.55	11.08
135.0	8.63	9.69	10.61	4.67	4.57	4.48	4.11	4.05	3.97
140.0	23.28	24.69	25.87	2.05	2.18	2.27	2.04	2.16	2.22
145.0	45.43	45.37	45.15	1.41	1.56	1.66	1.53	1.65	1.72
150.0	53.09	53.00	53.42	1.18	1.33	1.42	1.25	1.37	1.45
150.3	53.46	53.58	54.35	1.18	1.32	1.42	1.24	1.37	1.45
155.0	60.43	61.06	61.16	1.46	1.54	1.57	1.10	1.23	1.32
160.0	55.92	55.25	54.55	1.24	1.36	1.45	0.99	1.12	1.19
160.5	54.94	54.12	53.63	1.23	1.35	1.45	0.97	1.10	1.18
161.0	53.96	53.09	52.67	1.23	1.36	1.46	0.96	1.09	1.17
161.5	53.08	52.48	52.19	1.24	1.37	1.48	0.95	1.08	1.16
162.0	52.70	52.21	51.84	1.25	1.38	1.49	0.94	1.07	1.16
162.5	51.84	51.75	51.47	1.26	1.39	1.50	0.94	1.06	1.15
163.0	51.60	51.32	51.10	1.27	1.41	1.53	0.93	1.06	1.15
163.5	51.34	51.20	51.09	1.29	1.43	1.54	0.93	1.06	1.15
164.0	51.02	51.09	51.05	1.31	1.44	1.57	0.92	1.05	1.14
164.5	51.25	51.29	51.24	1.32	1.47	1.59	0.92	1.06	1.15
165.0	51.10	51.45	51.68	1.34	1.49	1.62	0.92	1.05	1.15
165.5	51.41	51.76	51.97	1.37	1.52	1.65	0.93	1.06	1.15
166.0	51.63	52.40	52.58	1.40	1.55	1.69	0.92	1.06	1.15
166.5	52.58	53.00	53.15	1.43	1.58	1.72	0.93	1.06	1.16
167.0	53.05	53.56	53.77	1.46	1.62	1.76	0.93	1.06	1.16
167.5	54.25	54.78	54.67	1.50	1.66	1.80	0.93	1.06	1.17
168.0	54.90	55.50	55.65	1.53	1.70	1.85	0.93	1.07	1.17
168.5	56.01	56.27	56.11	1.57	1.75	1.90	0.94	1.08	1.18
169.0	57.57	57.63	56.64	1.62	1.80	1.95	0.95	1.09	1.19
169.7	58.40	57.92	56.81	1.69	1.87	2.04	0.96	1.10	1.21
170.0	59.24	58.80	56.75	1.72	1.91	2.08	0.97	1.11	1.22
180.0	16.25	15.24	14.44	5.70	6.54	7.39	2.37	2.76	3.10
190.0	3.10	3.18	3.24	13.67	13.42	13.27	9.98	9.90	9.87
200.0	1.61	1.69	1.74	17.51	17.52	17.52	12.76	12.85	12.90
230.0	0.63	0.69	0.72	22.14	22.36	23.15	18.50	18.56	18.83
250.0	0.48	0.53	0.55	22.12	21.44	21.70	20.17	19.64	19.73
300.0	0.31	0.37	0.40	25.46	22.73	21.87	24.41	22.08	21.25
400.0	0.25	0.31	0.34	32.02	27.05	24.30	31.24	26.79	24.11
500.0	0.24	0.29	0.33	34.40	30.98	27.34	34.74	31.25	27.43
600.0	0.25	0.31	0.34	35.68	33.54	30.42	41.16	36.92	32.00
700.0	0.26	0.32	0.36	32.96	32.36	30.82	41.60	44.61	37.29
800.0	0.28	0.35	0.39	29.21	29.34	28.85	34.90	40.42	43.13
900.0	0.29	0.37	0.42	26.11	26.81	26.58	30.16	34.86	37.75
1000.0	0.32	0.41	0.46	24.03	24.83	24.58	27.53	31.37	32.44
1200.0	0.39	0.49	0.55	22.04	22.32	22.05	25.93	27.65	27.88
1400.0	0.48	0.62	0.71	21.36	21.43	21.24	25.46	26.47	27.27
1500.0	0.59	0.74	0.85	21.77	21.65	21.36	25.99	26.93	28.29
1600.0	0.74	0.94	1.05	22.78	22.10	21.35	26.49	27.64	29.64
1800.0	1.32	1.50	1.62	18.93	17.73	16.91	26.75	29.23	34.82
2000.0	1.69	1.95	2.15	15.20	14.26	13.47	29.01	26.58	24.58

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	1.60	1.57		1.54	230.0	3.38
5.0	1.59	1.59	1.57	240.0	2.70	2.67	2.64
10.0	1.58	1.59	1.58	250.0	2.24	2.21	2.19
20.0	1.60	1.60	1.58	260.0	1.91	1.89	1.86
30.0	1.67	1.67	1.68	270.0	1.66	1.65	1.63
40.0	1.78	1.79	1.78	280.0	1.49	1.48	1.47
50.0	1.93	1.92	1.92	290.0	1.34	1.32	1.32
60.0	2.14	2.14	2.14	300.0	1.25	1.23	1.23
70.0	2.46	2.45	2.45	310.0	1.16	1.16	1.14
71.0	2.49	2.49	2.51	320.0	1.09	1.08	1.07
72.0	2.53	2.53	2.55	330.0	1.02	1.01	1.00
73.0	2.57	2.58	2.59	340.0	0.96	0.95	0.94
74.0	2.61	2.63	2.63	350.0	0.93	0.91	0.91
75.0	2.67	2.66	2.67	360.0	0.88	0.86	0.85
76.0	2.71	2.72	2.71	370.0	0.84	0.84	0.84
77.0	2.76	2.76	2.77	380.0	0.82	0.82	0.82
78.0	2.80	2.80	2.83	390.0	0.79	0.79	0.79
79.0	2.85	2.87	2.88	400.0	0.77	0.76	0.77
80.0	2.90	2.90	2.91	410.0	0.75	0.74	0.75
81.0	2.96	2.97	2.98	420.0	0.73	0.72	0.71
82.0	3.03	3.04	3.04	430.0	0.73	0.72	0.71
83.0	3.08	3.08	3.11	440.0	0.70	0.70	0.71
84.0	3.14	3.16	3.18	450.0	0.70	0.70	0.69
85.0	3.21	3.22	3.25	500.0	0.66	0.64	0.64
86.0	3.31	3.31	3.34	550.0	0.62	0.62	0.61
87.0	3.36	3.41	3.41	600.0	0.60	0.59	0.59
88.0	3.44	3.47	3.49	650.0	0.59	0.58	0.58
89.0	3.52	3.56	3.58	700.0	0.57	0.57	0.56
90.0	3.63	3.65	3.66	750.0	0.57	0.56	0.56
91.0	3.68	3.71	3.75	800.0	0.56	0.55	0.55
92.0	3.81	3.84	3.87	850.0	0.55	0.54	0.54
93.0	3.91	3.92	3.97	900.0	0.55	0.54	0.54
94.0	4.02	4.05	4.07	910.0	0.55	0.54	0.54
95.0	4.11	4.16	4.18	925.0	0.56	0.54	0.54
96.0	4.24	4.26	4.30	930.0	0.55	0.54	0.54
97.0	4.35	4.40	4.42	935.0	0.55	0.54	0.54
98.0	4.50	4.53	4.57	940.0	0.55	0.54	0.54
99.0	4.64	4.69	4.72	945.0	0.55	0.54	0.54
100.0	4.80	4.85	4.87	950.0	0.55	0.54	0.54
101.0	4.93	4.99	5.01	955.0	0.55	0.54	0.54
102.0	5.11	5.18	5.20	960.0	0.55	0.54	0.53
103.0	5.30	5.36	5.41	965.0	0.55	0.54	0.54
104.0	5.49	5.55	5.61	970.0	0.54	0.54	0.54
105.0	5.68	5.75	5.82	975.0	0.55	0.54	0.54
106.0	5.92	5.99	6.05	980.0	0.55	0.54	0.54
107.0	6.17	6.24	6.31	985.0	0.55	0.54	0.54
108.0	6.40	6.48	6.57	990.0	0.55	0.54	0.54
109.0	6.67	6.77	6.84	995.0	0.54	0.54	0.53
110.0	6.99	7.08	7.18	1000.0	0.55	0.54	0.53
111.0	7.28	7.40	7.49	1100.0	0.54	0.54	0.54
112.0	7.64	7.73	7.84	1200.0	0.54	0.54	0.53
113.0	8.02	8.13	8.23	1300.0	0.55	0.54	0.53
114.0	8.44	8.56	8.69	1400.0	0.55	0.54	0.54
115.0	8.89	9.02	9.17	1500.0	0.55	0.55	0.54
116.0	9.36	9.52	9.66	1600.0	0.56	0.55	0.54
117.0	9.92	10.09	10.25	1700.0	0.55	0.53	0.53
118.0	10.55	10.74	10.93	1800.0	0.52	0.52	0.52
119.0	11.20	11.44	11.64	1900.0	0.54	0.54	0.53
120.0	12.01	12.25	12.50	2000.0	0.58	0.57	0.56

