

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	50.55	49.67	48.35	50.63	49.65	48.46
1.0	0.02	0.03	0.03	45.30	44.70	44.16	45.30	44.76	44.18
5.0	0.03	0.04	0.05	32.38	31.96	31.66	32.39	31.97	31.68
10.0	0.05	0.06	0.07	26.78	26.40	26.14	26.78	26.40	26.14
15.0	0.08	0.09	0.10	23.54	23.21	22.98	23.54	23.21	22.98
20.0	0.10	0.11	0.12	21.37	21.10	20.90	21.36	21.11	20.89
25.0	0.14	0.16	0.17	19.92	19.71	19.55	19.90	19.68	19.53
30.0	0.17	0.19	0.20	19.17	19.02	18.95	19.15	19.00	18.92
35.0	0.19	0.21	0.23	19.42	19.39	19.43	19.36	19.34	19.39
40.0	0.22	0.25	0.28	21.67	21.93	22.23	21.60	21.86	22.14
45.0	0.30	0.35	0.38	29.38	30.31	31.03	30.37	32.18	33.99
46.0	0.33	0.38	0.43	30.45	30.65	30.51	33.12	35.05	35.79
47.0	0.37	0.42	0.47	29.26	28.68	28.07	32.61	32.81	31.93
48.0	0.41	0.47	0.53	26.99	26.29	25.71	29.64	29.27	28.44
50.0	0.54	0.61	0.69	23.48	23.15	23.02	25.11	25.13	24.87
52.0	0.78	0.88	1.00	19.67	19.80	19.94	19.90	20.12	19.96
54.0	1.68	1.90	2.16	10.60	10.41	10.15	10.26	10.03	9.67
56.0	5.61	6.15	6.75	3.72	3.68	3.64	3.49	3.43	3.35
58.0	13.88	14.60	15.39	1.50	1.59	1.68	1.35	1.44	1.50
60.0	24.50	25.38	26.29	0.97	1.07	1.17	0.88	0.98	1.05
62.0	38.33	39.37	40.58	0.78	0.87	0.95	0.72	0.81	0.88
64.0	61.28	60.95	59.36	0.67	0.75	0.83	0.64	0.70	0.77
65.0	57.06	56.79	57.31	0.63	0.71	0.78	0.60	0.67	0.73
66.0	58.51	58.42	59.03	0.59	0.67	0.74	0.57	0.64	0.70
67.0	65.14	67.31	66.93	0.56	0.64	0.71	0.55	0.62	0.67
68.0	72.34	69.42	68.88	0.53	0.61	0.68	0.53	0.59	0.65
69.0	62.76	62.09	60.91	0.51	0.59	0.65	0.51	0.58	0.63
70.0	60.18	59.77	59.29	0.49	0.56	0.63	0.50	0.56	0.61
71.0	60.37	60.86	59.97	0.47	0.55	0.62	0.48	0.54	0.59
72.0	63.19	63.73	62.54	0.46	0.52	0.59	0.47	0.53	0.58
73.0	67.03	64.59	63.93	0.45	0.52	0.58	0.46	0.52	0.57
74.0	57.40	56.41	54.98	0.44	0.52	0.59	0.45	0.50	0.55
75.0	53.50	54.00	54.94	0.54	0.60	0.65	0.45	0.52	0.56
76.0	56.98	56.10	55.36	0.47	0.54	0.61	0.45	0.51	0.56
77.0	54.07	53.18	53.61	0.44	0.52	0.59	0.44	0.50	0.55
78.0	52.30	52.20	52.56	0.43	0.51	0.58	0.44	0.50	0.56
79.0	51.80	51.80	52.00	0.43	0.51	0.58	0.44	0.50	0.56
80.0	52.34	52.45	52.75	0.43	0.51	0.59	0.45	0.51	0.56
81.0	53.79	54.27	54.43	0.44	0.52	0.59	0.45	0.51	0.56
82.0	56.33	57.47	58.05	0.44	0.53	0.60	0.46	0.53	0.58
83.0	63.22	63.76	63.09	0.45	0.53	0.62	0.47	0.53	0.59
84.0	62.30	62.54	60.48	0.46	0.55	0.63	0.48	0.55	0.60
85.0	56.96	56.40	55.45	0.48	0.57	0.65	0.50	0.57	0.63
90.0	39.76	38.70	37.50	0.64	0.75	0.87	0.67	0.76	0.84
100.0	3.32	3.33	3.35	8.65	9.29	10.06	8.78	9.36	10.04
110.0	0.85	0.91	0.97	18.58	18.56	18.67	18.61	18.50	18.52
115.0	0.64	0.70	0.76	22.98	22.52	22.43	22.82	22.28	21.94
150.0	0.35	0.36	0.38	18.99	19.87	20.75	18.83	19.72	20.66
200.0	0.26	0.29	0.31	19.35	19.21	19.47	19.27	19.13	19.43
300.0	0.21	0.26	0.30	24.90	22.08	20.74	24.88	22.05	20.71
400.0	0.21	0.26	0.31	27.22	24.56	22.35	27.05	24.39	22.14
500.0	0.22	0.29	0.34	28.28	26.83	24.24	27.74	26.22	23.73
600.0	0.24	0.31	0.36	29.96	28.62	25.98	28.84	27.16	24.86
700.0	0.25	0.33	0.39	32.58	31.17	28.51	29.59	27.81	25.78
750.0	0.26	0.34	0.40	34.16	32.88	30.15	29.81	28.17	26.25
800.0	0.27	0.36	0.42	35.49	34.45	31.78	29.71	28.23	26.50
850.0	0.29	0.37	0.44	37.11	36.85	34.01	29.97	28.54	26.95
900.0	0.29	0.38	0.45	38.86	41.30	37.24	30.26	28.97	27.41
950.0	0.30	0.40	0.47	39.32	48.34	40.77	30.33	29.34	27.85
1000.0	0.31	0.42	0.50	39.37	44.78	39.49	30.71	30.07	28.61

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	4.88	4.93		4.89	120.0	8.00
1.0	4.89	4.93	4.88	130.0	5.23	5.21	5.17
1.5	4.85	4.89	4.85	140.0	3.79	3.76	3.74
2.0	4.86	4.85	4.82	150.0	2.91	2.92	2.89
2.5	4.81	4.83	4.82	160.0	2.39	2.39	2.36
3.0	4.81	4.83	4.79	170.0	2.03	2.01	2.01
3.5	4.76	4.76	4.76	180.0	1.77	1.73	1.74
4.0	4.75	4.76	4.76	200.0	1.39	1.40	1.39
4.5	4.77	4.77	4.77	220.0	1.21	1.20	1.18
5.0	4.76	4.73	4.75	240.0	1.06	1.05	1.02
6.0	4.78	4.75	4.77	260.0	0.93	0.95	0.94
7.0	4.78	4.77	4.80	280.0	0.90	0.89	0.89
8.0	4.78	4.78	4.78	300.0	0.84	0.83	0.81
9.0	4.84	4.87	4.89	320.0	0.80	0.78	0.77
10.0	4.86	4.88	4.89	340.0	0.77	0.76	0.75
11.0	4.91	4.93	4.89	360.0	0.72	0.71	0.70
12.0	4.96	4.96	4.98	380.0	0.70	0.69	0.68
13.0	5.03	5.04	5.02	400.0	0.67	0.67	0.66
14.0	5.09	5.10	5.11	420.0	0.67	0.65	0.65
15.0	5.19	5.19	5.19	440.0	0.65	0.64	0.64
16.0	5.29	5.25	5.29	460.0	0.65	0.64	0.63
17.0	5.35	5.34	5.34	480.0	0.62	0.62	0.61
18.0	5.41	5.45	5.43	500.0	0.61	0.62	0.60
19.0	5.52	5.52	5.55	520.0	0.62	0.60	0.60
20.0	5.68	5.69	5.68	540.0	0.60	0.58	0.58
21.0	5.76	5.75	5.77	560.0	0.60	0.60	0.60
22.0	5.95	5.94	5.93	580.0	0.59	0.59	0.58
23.0	6.06	6.07	6.08	585.0	0.59	0.59	0.58
24.0	6.22	6.21	6.25	590.0	0.59	0.59	0.58
25.0	6.39	6.41	6.41	595.0	0.59	0.59	0.58
26.0	6.57	6.60	6.59	600.0	0.59	0.58	0.58
27.0	6.79	6.82	6.81	605.0	0.59	0.58	0.58
28.0	7.04	7.02	7.05	610.0	0.59	0.58	0.57
29.0	7.26	7.25	7.27	615.0	0.58	0.58	0.57
30.0	7.53	7.55	7.58	620.0	0.59	0.58	0.57
31.0	7.83	7.85	7.87	640.0	0.58	0.57	0.57
32.0	8.14	8.15	8.19	660.0	0.58	0.57	0.57
33.0	8.46	8.51	8.55	680.0	0.58	0.57	0.56
34.0	8.84	8.87	8.94	700.0	0.57	0.57	0.56
35.0	9.30	9.34	9.42	760.0	0.57	0.56	0.55
36.0	9.74	9.80	9.83	780.0	0.57	0.56	0.55
37.0	10.25	10.31	10.37	800.0	0.57	0.56	0.55
38.0	10.87	10.93	11.00	820.0	0.56	0.56	0.55
39.0	11.51	11.59	11.69	840.0	0.56	0.55	0.55
40.0	12.27	12.35	12.44	860.0	0.56	0.55	0.55
41.0	13.09	13.19	13.27	880.0	0.56	0.55	0.55
42.0	14.03	14.12	14.23	900.0	0.56	0.55	0.55
43.0	15.12	15.24	15.36	920.0	0.56	0.55	0.55
44.0	16.29	16.42	16.59	940.0	0.56	0.55	0.54
45.0	17.70	17.88	18.05	960.0	0.56	0.55	0.55
46.0	19.34	19.52	19.73	980.0	0.56	0.55	0.55
47.0	21.32	21.52	21.78	990.0	0.56	0.55	0.54
48.0	23.70	23.96	24.29	1000.0	0.56	0.55	0.55