

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	55.79	54.70	52.61	55.71	54.43	52.45
1.0	0.02	0.02	0.03	50.51	49.58	48.63	50.56	49.62	48.62
5.0	0.04	0.04	0.04	38.05	37.48	36.90	38.06	37.47	36.90
10.0	0.04	0.05	0.05	32.63	32.06	31.52	32.64	32.06	31.53
15.0	0.06	0.06	0.07	29.39	28.88	28.38	29.38	28.86	28.37
20.0	0.07	0.08	0.09	27.05	26.59	26.15	27.04	26.57	26.12
25.0	0.08	0.09	0.11	25.25	24.83	24.44	25.20	24.77	24.37
30.0	0.10	0.12	0.13	23.81	23.42	23.06	23.73	23.32	22.94
35.0	0.12	0.14	0.15	22.60	22.28	21.98	22.50	22.18	21.88
40.0	0.14	0.16	0.18	21.68	21.43	21.23	21.56	21.29	21.09
45.0	0.16	0.18	0.20	21.04	20.88	20.75	20.88	20.71	20.58
50.0	0.19	0.22	0.23	20.78	20.73	20.72	20.55	20.47	20.45
60.0	0.28	0.31	0.34	22.34	22.69	23.19	21.88	22.13	22.53
70.0	0.52	0.59	0.67	26.38	26.46	26.14	25.96	25.89	25.56
75.0	0.89	1.03	1.16	29.42	30.99	32.50	26.03	26.03	25.87
80.0	3.74	4.34	4.97	7.22	6.87	6.52	6.99	6.64	6.29
85.0	21.88	22.97	24.12	1.33	1.45	1.55	1.42	1.53	1.60
90.0	53.00	52.34	51.56	0.83	0.95	1.05	0.95	1.05	1.12
90.4	51.76	51.68	51.27	0.81	0.93	1.03	0.93	1.03	1.11
91.0	51.67	51.53	51.18	0.78	0.90	0.99	0.90	1.00	1.08
92.0	52.94	53.34	53.67	0.75	0.86	0.96	0.87	0.96	1.03
94.0	61.26	63.52	63.38	0.69	0.80	0.90	0.80	0.89	0.97
95.0	65.00	63.18	62.98	0.67	0.78	0.88	0.78	0.87	0.95
96.0	60.54	60.99	59.64	0.65	0.76	0.86	0.75	0.85	0.92
98.0	60.27	60.19	60.38	0.63	0.75	0.86	0.73	0.82	0.91
100.0	62.16	59.47	57.15	0.72	0.81	0.88	0.76	0.87	0.98
101.0	54.48	54.43	54.70	0.64	0.73	0.82	0.87	0.96	1.03
102.0	57.89	59.28	59.72	0.61	0.71	0.80	0.77	0.86	0.94
103.0	65.48	66.32	66.79	0.59	0.71	0.80	0.72	0.82	0.90
104.0	75.19	80.14	75.57	0.60	0.71	0.81	0.70	0.80	0.89
105.0	81.55	77.96	73.66	0.60	0.72	0.82	0.72	0.81	0.90
106.0	69.14	66.76	65.25	0.61	0.74	0.84	0.71	0.81	0.90
107.0	60.43	59.30	58.80	0.63	0.76	0.87	0.73	0.83	0.92
108.0	56.41	55.61	54.78	0.65	0.77	0.89	0.74	0.85	0.94
109.0	52.82	52.49	51.93	0.67	0.80	0.92	0.77	0.87	0.96
109.6	51.23	50.91	50.55	0.69	0.82	0.95	0.78	0.89	0.98
110.0	50.44	49.88	49.83	0.70	0.84	0.96	0.79	0.90	0.99
115.0	38.62	37.01	35.54	1.00	1.18	1.35	1.09	1.24	1.36
120.0	15.19	14.56	13.97	2.25	2.62	2.99	2.34	2.66	2.97
125.0	3.58	3.60	3.61	11.82	12.91	13.96	12.31	13.36	14.30
130.0	1.58	1.67	1.75	19.68	19.34	19.04	20.14	19.65	19.22
135.0	1.09	1.16	1.23	19.95	19.69	19.39	19.53	19.24	18.91
140.0	0.82	0.88	0.93	25.62	24.75	23.81	23.72	23.15	22.42
145.0	0.66	0.71	0.75	35.09	33.36	31.16	27.63	27.56	26.84
146.0	0.64	0.69	0.73	34.88	34.48	32.79	27.72	27.98	27.54
200.0	0.31	0.33	0.35	21.31	21.37	21.89	21.21	21.32	21.83
300.0	0.21	0.24	0.28	32.06	27.13	24.48	32.05	27.10	24.47
400.0	0.20	0.25	0.28	46.39	34.02	28.41	46.39	34.01	28.38
500.0	0.22	0.27	0.31	48.13	43.20	33.64	49.82	45.14	33.94
600.0	0.23	0.29	0.33	35.83	39.10	38.10	37.18	43.08	41.50
650.0	0.23	0.30	0.34	33.67	36.44	38.08	35.15	39.85	43.79
700.0	0.24	0.31	0.35	32.52	34.68	36.55	34.06	38.34	43.60
750.0	0.24	0.32	0.36	31.26	33.05	34.39	32.76	37.14	44.23
800.0	0.26	0.33	0.38	30.06	31.86	32.61	31.63	36.51	42.97
900.0	0.28	0.35	0.41	28.18	30.06	29.81	30.27	36.63	41.00
1000.0	0.30	0.38	0.44	27.16	28.41	27.89	30.62	38.83	41.77
1300.0	0.40	0.53	0.62	25.15	24.70	24.12	36.32	36.12	36.20
1400.0	0.48	0.63	0.74	23.89	23.27	22.49	31.12	30.58	29.99
1500.0	0.66	0.83	0.95	22.17	21.28	20.19	27.08	26.66	25.83
1600.0	0.85	0.97	1.07	19.29	18.52	17.70	24.96	24.23	23.10
1800.0	0.83	1.00	1.18	16.81	16.12	15.22	19.85	19.15	18.05
2000.0	1.10	1.33	1.54	13.95	13.34	12.59	16.25	15.77	14.95

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	2.84	2.88	2.76	140.0	10.58	10.39	10.22
1.0	2.89	2.91	2.77	145.0	7.98	7.87	7.76
2.0	2.88	2.89	2.83	150.0	6.33	6.24	6.17
3.0	2.88	2.88	2.85	155.0	5.16	5.13	5.07
4.0	2.81	2.83	2.84	160.0	4.32	4.28	4.26
5.0	2.86	2.85	2.83	165.0	3.72	3.70	3.67
6.0	2.88	2.85	2.84	170.0	3.25	3.23	3.21
7.0	2.77	2.80	2.83	175.0	2.87	2.88	2.83
8.0	2.84	2.81	2.81	180.0	2.59	2.58	2.55
9.0	2.85	2.85	2.83	185.0	2.34	2.33	2.31
10.0	2.86	2.85	2.86	190.0	2.14	2.13	2.12
11.0	2.85	2.86	2.93	195.0	1.97	1.98	1.96
12.0	2.85	2.84	2.83	200.0	1.84	1.83	1.81
13.0	2.88	2.88	2.92	250.0	1.12	1.11	1.10
14.0	2.87	2.87	2.91	300.0	0.87	0.85	0.85
15.0	2.96	2.91	2.96	350.0	0.75	0.74	0.73
16.0	2.94	2.94	2.93	400.0	0.68	0.69	0.67
17.0	2.98	2.97	2.97	500.0	0.61	0.61	0.59
18.0	2.90	2.95	2.98	600.0	0.58	0.58	0.57
19.0	3.05	3.05	3.05	700.0	0.56	0.56	0.55
20.0	3.05	3.05	3.06	800.0	0.55	0.54	0.54
21.0	3.08	3.09	3.07	805.0	0.56	0.55	0.54
22.0	3.11	3.12	3.15	810.0	0.55	0.55	0.54
23.0	3.14	3.17	3.16	815.0	0.55	0.55	0.54
24.0	3.18	3.24	3.22	820.0	0.55	0.54	0.54
25.0	3.26	3.26	3.27	825.0	0.55	0.55	0.54
26.0	3.29	3.26	3.27	830.0	0.55	0.54	0.54
27.0	3.33	3.33	3.33	835.0	0.55	0.55	0.54
28.0	3.38	3.38	3.35	840.0	0.55	0.54	0.54
29.0	3.44	3.45	3.43	845.0	0.55	0.55	0.54
30.0	3.51	3.51	3.52	850.0	0.54	0.54	0.53
31.0	3.55	3.52	3.53	855.0	0.55	0.54	0.53
32.0	3.62	3.62	3.61	860.0	0.55	0.54	0.54
33.0	3.70	3.68	3.69	865.0	0.55	0.54	0.53
34.0	3.75	3.72	3.74	870.0	0.55	0.54	0.54
35.0	3.80	3.82	3.78	875.0	0.55	0.54	0.54
36.0	3.85	3.84	3.84	880.0	0.55	0.54	0.53
37.0	3.95	3.96	3.98	885.0	0.55	0.54	0.54
38.0	4.00	4.02	4.06	890.0	0.55	0.54	0.53
39.0	4.13	4.16	4.17	900.0	0.55	0.54	0.54
40.0	4.25	4.27	4.25	1000.0	0.54	0.54	0.53
45.0	4.83	4.85	4.89	1100.0	0.54	0.54	0.53
46.0	5.00	5.01	5.02	1200.0	0.54	0.53	0.53
47.0	5.09	5.12	5.14	1300.0	0.55	0.54	0.53
48.0	5.28	5.30	5.33	1400.0	0.55	0.54	0.53
49.0	5.48	5.48	5.50	1500.0	0.54	0.53	0.51
50.0	5.66	5.65	5.69	1600.0	0.51	0.51	0.51
55.0	6.82	6.87	6.92	1700.0	0.54	0.54	0.53
60.0	8.59	8.64	8.70	1800.0	0.55	0.55	0.54
65.0	11.42	11.55	11.66	1900.0	0.56	0.55	0.55
70.0	16.37	16.65	16.90	2000.0	0.55	0.54	0.52