

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	0.01	0.02	0.02	46.07	45.41	44.90	46.30	45.62	45.10
1.0	0.02	0.02	0.02	40.68	40.45	40.24	40.70	40.46	40.23
5.0	0.05	0.05	0.06	27.27	27.08	26.96	27.29	27.12	26.99
10.0	0.08	0.08	0.08	21.85	21.67	21.60	21.87	21.72	21.61
15.0	0.12	0.13	0.14	19.21	19.08	19.01	19.23	19.11	19.04
20.0	0.14	0.16	0.17	18.22	18.15	18.12	18.26	18.18	18.15
25.0	0.15	0.17	0.18	19.21	19.21	19.28	19.26	19.30	19.35
30.0	0.15	0.17	0.18	24.94	25.28	25.74	25.13	25.51	25.97
31.0	0.16	0.18	0.20	27.74	28.28	29.02	28.01	28.63	29.41
32.0	0.18	0.19	0.22	31.75	32.58	33.66	32.15	33.20	34.37
33.0	0.19	0.21	0.24	34.84	34.83	34.60	34.91	35.13	34.73
34.0	0.22	0.24	0.26	31.16	30.44	29.70	30.73	30.13	29.34
35.0	0.24	0.27	0.30	27.00	26.45	25.92	26.58	26.08	25.50
36.0	0.28	0.32	0.35	24.09	23.70	23.36	23.61	23.26	22.85
37.0	0.34	0.37	0.41	21.87	21.62	21.46	21.31	21.06	20.78
38.0	0.40	0.45	0.49	19.73	19.60	19.53	19.01	18.84	18.64
39.0	0.54	0.59	0.65	16.84	16.77	16.72	16.11	15.94	15.75
40.0	0.79	0.86	0.94	13.07	12.95	12.84	12.45	12.26	12.05
45.0	11.73	12.10	12.49	1.07	1.10	1.12	0.88	0.88	0.91
50.0	36.11	36.65	37.21	0.41	0.44	0.47	0.31	0.33	0.36
55.0	80.30	86.46	75.77	0.31	0.34	0.36	0.24	0.24	0.27
56.0	64.14	62.98	63.67	0.30	0.32	0.35	0.23	0.24	0.27
56.3	63.35	62.24	61.12	0.29	0.32	0.35	0.22	0.24	0.27
56.8	59.89	59.23	59.15	0.29	0.32	0.34	0.22	0.24	0.26
57.0	58.68	57.77	57.56	0.29	0.31	0.34	0.22	0.23	0.26
58.0	54.97	54.47	54.71	0.28	0.30	0.33	0.21	0.23	0.26
60.0	51.59	51.78	51.46	0.26	0.29	0.31	0.21	0.23	0.24
62.0	51.01	50.84	51.16	0.26	0.28	0.30	0.20	0.22	0.24
64.0	52.19	52.02	52.06	0.25	0.26	0.29	0.21	0.23	0.26
66.0	56.32	57.33	56.66	0.27	0.31	0.35	0.24	0.25	0.26
68.0	72.15	71.39	74.67	0.26	0.28	0.31	0.19	0.20	0.22
70.0	67.35	66.26	64.95	0.25	0.27	0.29	0.19	0.20	0.22
72.0	60.12	60.25	60.26	0.25	0.27	0.29	0.19	0.21	0.22
74.0	59.34	59.30	59.36	0.25	0.28	0.30	0.19	0.21	0.23
76.0	60.90	61.38	61.14	0.26	0.29	0.31	0.19	0.21	0.24
78.0	68.74	69.07	69.75	0.28	0.31	0.34	0.21	0.22	0.25
79.0	73.01	76.21	75.23	0.28	0.32	0.34	0.21	0.24	0.26
80.0	72.30	69.89	68.07	0.29	0.33	0.35	0.22	0.25	0.27
81.0	66.98	65.40	66.26	0.31	0.35	0.38	0.22	0.24	0.27
82.0	65.95	66.66	67.66	0.32	0.35	0.38	0.23	0.25	0.28
83.0	69.28	70.52	69.17	0.33	0.37	0.40	0.25	0.27	0.30
83.3	70.09	68.86	66.57	0.34	0.37	0.40	0.24	0.27	0.30
85.0	54.43	53.31	52.63	0.38	0.41	0.45	0.26	0.29	0.32
90.0	32.13	31.66	31.22	0.52	0.57	0.62	0.37	0.41	0.44
95.0	18.55	18.24	17.94	0.92	1.00	1.07	0.66	0.71	0.78
100.0	8.23	8.08	7.93	2.56	2.74	2.92	2.04	2.19	2.34
104.0	3.18	3.18	3.18	7.32	7.65	7.95	6.16	6.41	6.66
110.0	1.10	1.15	1.20	22.34	23.05	23.98	17.08	17.32	17.54
120.0	0.66	0.70	0.74	21.19	21.11	21.08	20.67	20.50	20.40
150.0	0.39	0.42	0.43	22.17	23.46	25.04	21.43	22.47	23.63
200.0	0.33	0.36	0.36	17.96	18.19	18.72	17.75	17.96	18.46
250.0	0.28	0.32	0.35	19.76	18.98	18.73	19.58	18.78	18.51
500.0	0.24	0.30	0.35	27.26	25.62	23.23	26.61	25.11	22.82
700.0	0.27	0.35	0.40	28.06	26.42	24.25	29.36	27.54	25.08
750.0	0.28	0.36	0.42	27.56	25.68	23.92	29.59	27.47	25.26
800.0	0.29	0.37	0.43	26.92	24.91	23.48	29.56	27.21	25.35
900.0	0.32	0.41	0.48	24.81	23.21	22.25	28.45	26.16	24.96
1000.0	0.35	0.45	0.52	22.84	21.50	20.88	26.84	24.75	24.10
1200.0	0.44	0.56	0.65	19.46	18.72	18.41	22.57	21.63	21.54
1600.0	0.80	0.98	1.15	14.99	14.67	14.13	16.76	16.69	16.30
1800.0	1.28	1.51	1.76	13.38	12.91	12.23	15.40	15.21	14.76
2000.0	2.22	2.50	2.77	10.72	10.42	10.03	15.78	15.73	15.25

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	7.98	7.97	7.81	120.0	9.94	9.85	9.77
1.0	7.99	7.97	7.85	125.0	7.89	7.82	7.77
1.5	7.96	7.95	7.88	130.0	6.52	6.47	6.41
2.0	7.98	7.99	7.89	135.0	5.49	5.46	5.44
2.5	7.95	7.96	7.89	140.0	4.74	4.71	4.68
3.0	7.92	7.94	7.90	145.0	4.16	4.14	4.12
3.5	7.91	7.91	7.93	150.0	3.66	3.65	3.64
4.0	7.95	7.98	7.99	155.0	3.30	3.28	3.28
4.5	7.95	7.99	7.99	160.0	3.01	2.99	2.98
5.0	7.95	7.97	7.99	165.0	2.74	2.73	2.70
5.5	7.96	7.97	7.96	170.0	2.51	2.49	2.49
6.0	7.95	7.97	7.97	175.0	2.32	2.31	2.31
6.5	7.95	7.95	8.01	180.0	2.17	2.16	2.16
7.0	8.06	8.02	8.09	185.0	2.01	2.02	2.02
7.5	8.07	8.07	8.12	190.0	1.91	1.91	1.90
8.0	8.12	8.13	8.11	195.0	1.81	1.80	1.80
8.5	8.14	8.11	8.16	200.0	1.70	1.69	1.71
9.0	8.18	8.15	8.14	205.0	1.64	1.64	1.63
9.5	8.25	8.24	8.26	210.0	1.55	1.54	1.54
10.0	8.28	8.28	8.33	215.0	1.50	1.48	1.48
10.5	8.42	8.38	8.37	220.0	1.44	1.42	1.41
11.0	8.43	8.43	8.41	225.0	1.38	1.37	1.37
11.5	8.43	8.47	8.45	230.0	1.33	1.34	1.31
12.0	8.57	8.57	8.56	232.0	1.32	1.31	1.31
12.5	8.63	8.62	8.66	233.0	1.31	1.29	1.29
13.0	8.69	8.74	8.68	234.0	1.30	1.29	1.28
13.5	8.77	8.78	8.82	235.0	1.29	1.29	1.27
14.0	8.82	8.83	8.85	236.0	1.29	1.28	1.29
14.5	8.93	8.98	8.93	237.0	1.27	1.27	1.26
15.0	8.99	9.01	9.04	238.0	1.27	1.27	1.25
15.5	9.13	9.15	9.19	239.0	1.25	1.23	1.24
16.0	9.24	9.26	9.27	240.0	1.23	1.25	1.23
16.5	9.31	9.30	9.33	241.0	1.25	1.24	1.23
17.0	9.43	9.47	9.48	242.0	1.23	1.25	1.23
17.5	9.58	9.57	9.64	243.0	1.23	1.23	1.22
18.0	9.71	9.73	9.75	250.0	1.16	1.17	1.16
18.5	9.90	9.92	9.94	275.0	1.03	1.03	1.02
19.0	10.03	10.02	10.10	300.0	0.95	0.95	0.94
19.5	10.19	10.22	10.25	325.0	0.88	0.87	0.87
20.0	10.34	10.34	10.37	350.0	0.84	0.82	0.83
20.5	10.56	10.55	10.57	375.0	0.76	0.78	0.75
21.0	10.72	10.75	10.79	400.0	0.76	0.75	0.74
21.5	10.91	10.91	10.92	425.0	0.71	0.71	0.70
22.0	11.14	11.16	11.18	450.0	0.69	0.70	0.69
22.5	11.36	11.37	11.41	475.0	0.68	0.66	0.68
23.0	11.56	11.55	11.61	500.0	0.66	0.65	0.64
23.5	11.82	11.84	11.86	525.0	0.65	0.64	0.63
24.0	12.07	12.11	12.13	550.0	0.63	0.63	0.62
24.5	12.36	12.40	12.43	575.0	0.63	0.62	0.61
25.0	12.60	12.66	12.71	600.0	0.62	0.61	0.60
25.5	12.96	13.00	13.03	625.0	0.61	0.60	0.60
26.0	13.24	13.31	13.36	650.0	0.60	0.59	0.59
27.0	13.96	14.02	14.08	700.0	0.59	0.59	0.58
28.0	14.76	14.82	14.88	750.0	0.58	0.57	0.57
29.0	15.71	15.78	15.85	800.0	0.58	0.57	0.57
30.0	16.73	16.81	16.89	850.0	0.57	0.57	0.56
31.0	17.91	18.01	18.09	900.0	0.57	0.57	0.56
32.0	19.24	19.36	19.44	950.0	0.57	0.56	0.55
33.0	20.80	20.92	21.02	1000.0	0.56	0.56	0.55
34.0	22.62	22.76	22.90	1050.0	0.56	0.55	0.55
35.0	24.79	24.94	25.12	1100.0	0.56	0.55	0.55
36.0	27.50	27.72	27.95	1150.0	0.56	0.55	0.55
37.0	31.01	31.27	31.58	1200.0	0.56	0.56	0.55