

*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	0.04	51.69	50.13	48.29	50.93	49.21	48.28
1.0	0.02	0.02	0.03	45.90	45.16	44.28	45.81	44.97	44.29
5.0	0.03	0.04	0.05	33.14	32.50	32.04	33.17	32.53	32.03
10.0	0.05	0.05	0.07	27.52	26.98	26.54	27.53	26.96	26.50
15.0	0.08	0.09	0.10	24.26	23.83	23.43	24.22	23.75	23.38
20.0	0.09	0.11	0.12	22.09	21.77	21.48	22.04	21.68	21.41
22.0	0.11	0.13	0.14	21.45	21.19	20.96	21.42	21.11	20.90
24.0	0.12	0.14	0.16	21.00	20.80	20.64	20.94	20.70	20.54
26.0	0.13	0.16	0.17	20.70	20.57	20.47	20.63	20.46	20.38
28.0	0.14	0.17	0.18	20.61	20.55	20.55	20.53	20.44	20.46
30.0	0.16	0.18	0.20	20.79	20.84	20.96	20.70	20.72	20.86
32.0	0.18	0.21	0.23	21.37	21.59	21.87	21.30	21.47	21.77
34.0	0.20	0.23	0.25	22.55	22.97	23.56	22.51	22.92	23.53
36.0	0.23	0.27	0.30	24.67	25.48	26.51	24.80	25.65	26.84
38.0	0.28	0.33	0.37	28.25	29.27	30.44	29.24	31.00	33.35
40.0	0.36	0.42	0.48	31.84	30.71	29.31	37.12	36.16	33.11
42.0	0.49	0.58	0.64	38.89	33.57	30.36	39.62	35.38	32.02
43.0	0.61	0.70	0.79	32.84	35.87	37.00	29.11	30.27	31.68
44.0	0.83	0.95	1.06	20.07	20.63	21.02	19.39	19.78	20.23
45.0	1.42	1.59	1.77	11.99	12.06	12.03	11.90	11.92	11.93
46.0	3.07	3.37	3.70	6.29	6.29	6.25	6.35	6.34	6.30
47.0	6.65	7.13	7.62	3.02	3.10	3.14	3.13	3.19	3.23
48.0	12.13	12.72	13.30	1.67	1.79	1.87	1.76	1.88	1.97
49.0	18.87	19.52	20.16	1.16	1.29	1.38	1.27	1.39	1.48
50.0	26.94	27.66	28.41	0.97	1.08	1.16	1.06	1.17	1.26
51.0	37.72	38.64	39.58	0.86	0.96	1.04	0.94	1.06	1.13
52.0	54.78	53.75	52.64	0.79	0.88	0.95	0.87	0.97	1.05
53.0	47.69	47.85	47.78	0.74	0.82	0.89	0.80	0.90	0.97
54.0	49.15	49.54	49.88	0.69	0.77	0.83	0.75	0.85	0.92
55.0	56.14	57.08	57.39	0.65	0.73	0.79	0.70	0.80	0.87
56.0	60.70	59.94	58.74	0.63	0.71	0.76	0.67	0.76	0.83
57.0	52.72	52.64	52.02	0.61	0.68	0.74	0.64	0.73	0.80
58.0	49.98	49.97	49.72	0.58	0.66	0.71	0.61	0.70	0.77
59.0	49.63	49.67	49.50	0.57	0.64	0.69	0.59	0.68	0.74
60.0	50.37	50.62	50.27	0.54	0.60	0.66	0.57	0.65	0.72
61.0	54.26	54.33	53.86	0.59	0.65	0.69	0.56	0.64	0.73
62.0	53.08	53.63	54.35	0.58	0.65	0.69	0.70	0.77	0.82
63.0	62.11	62.32	62.45	0.57	0.64	0.69	0.58	0.66	0.73
64.0	63.68	64.19	63.99	0.58	0.64	0.69	0.55	0.64	0.71
65.0	62.04	62.19	62.23	0.58	0.65	0.70	0.54	0.63	0.70
66.0	64.21	63.71	64.02	0.59	0.66	0.71	0.54	0.62	0.70
67.0	71.09	72.52	72.36	0.60	0.67	0.73	0.53	0.62	0.70
68.0	64.28	62.84	62.77	0.63	0.70	0.75	0.54	0.63	0.71
70.0	58.86	59.15	58.71	0.69	0.77	0.83	0.57	0.66	0.75
74.0	28.83	28.25	27.70	1.00	1.11	1.22	0.76	0.87	0.99
76.0	17.99	17.60	17.28	1.46	1.62	1.79	1.10	1.26	1.40
78.0	9.37	9.19	9.08	2.95	3.23	3.52	2.30	2.55	2.77
80.0	3.75	3.79	3.88	7.95	8.41	8.84	6.47	6.79	7.02
84.0	1.13	1.22	1.31	21.06	21.00	20.95	18.12	17.96	17.69
86.0	0.91	0.98	1.06	18.16	18.15	18.11	17.69	17.65	17.54
88.0	0.76	0.82	0.89	18.49	18.37	18.22	18.55	18.43	18.23
90.0	0.64	0.70	0.75	20.11	19.85	19.53	20.54	20.23	19.86
95.0	0.46	0.50	0.54	26.77	26.38	25.60	31.76	29.79	27.80
97.0	0.41	0.45	0.49	28.10	28.63	28.43	41.75	39.90	34.41
100.0	0.37	0.40	0.44	26.16	27.83	29.57	30.37	34.10	40.85
200.0	0.15	0.18	0.19	19.35	19.22	19.10	19.35	19.27	19.19
400.0	0.09	0.15	0.18	21.71	20.25	18.93	21.61	20.22	18.94
500.0	0.12	0.17	0.21	20.85	19.80	18.45	20.74	19.75	18.43
800.0	0.13	0.21	0.26	18.11	17.59	16.99	17.98	17.60	17.01
1000.0	0.26	0.37	0.44	16.56	16.04	15.85	16.50	16.07	15.87

## Typical Performance Data

FREQ.	GROUP DELAY-1			FREQ.	GROUP DELAY-2		
(MHz)	(ns)			(MHz)	(ns)		
	@-40°C	@+25°C	@+85°C		@-40°C	@+25°C	@+85°C
0.5	4.78	4.82	4.87	94.0	11.26	11.14	11.02
1.0	4.81	4.82	4.89	95.0	10.48	10.36	10.25
1.5	4.79	4.81	4.85	96.0	9.74	9.64	9.56
2.0	4.78	4.82	4.85	97.0	9.12	9.03	8.94
2.5	4.77	4.80	4.82	98.0	8.56	8.49	8.40
3.0	4.81	4.82	4.84	99.0	8.03	7.97	7.89
4.0	4.82	4.82	4.82	100.0	7.56	7.50	7.44
5.0	4.86	4.84	4.85	101.0	7.13	7.09	7.01
6.0	4.87	4.86	4.88	102.0	6.74	6.71	6.66
7.0	4.89	4.92	4.93	103.0	6.39	6.35	6.29
8.0	5.00	4.99	5.00	104.0	6.09	6.03	6.00
9.0	5.05	5.02	5.05	105.0	5.75	5.72	5.66
10.0	5.11	5.11	5.11	106.0	5.48	5.46	5.43
11.0	5.22	5.23	5.20	107.0	5.22	5.20	5.17
12.0	5.28	5.27	5.26	108.0	4.96	4.96	4.94
13.0	5.39	5.38	5.39	109.0	4.75	4.74	4.72
14.0	5.51	5.51	5.47	110.0	4.55	4.52	4.48
15.0	5.67	5.63	5.62	111.0	4.36	4.33	4.32
16.0	5.74	5.74	5.74	112.0	4.18	4.15	4.14
17.0	5.94	5.92	5.93	113.0	4.01	4.00	3.97
18.0	6.12	6.10	6.11	114.0	3.88	3.83	3.82
19.0	6.32	6.31	6.29	115.0	3.72	3.71	3.69
20.0	6.52	6.53	6.53	116.0	3.59	3.55	3.54
21.0	6.78	6.76	6.78	117.0	3.45	3.45	3.38
22.0	7.05	7.05	7.04	118.0	3.35	3.33	3.30
23.0	7.32	7.34	7.36	119.0	3.26	3.22	3.20
24.0	7.65	7.67	7.67	120.0	3.11	3.11	3.07
25.0	8.00	8.03	8.02	121.0	3.02	3.00	2.97
26.0	8.41	8.44	8.44	122.0	2.92	2.91	2.89
27.0	8.87	8.90	8.91	125.0	2.65	2.64	2.64
28.0	9.38	9.39	9.41	130.0	2.32	2.27	2.27
29.0	9.97	9.98	10.03	140.0	1.82	1.82	1.80
30.0	10.59	10.61	10.66	160.0	1.22	1.21	1.20
31.0	11.30	11.33	11.40	180.0	0.93	0.93	0.91
32.0	12.13	12.19	12.24	200.0	0.71	0.71	0.69
33.0	13.08	13.14	13.22	210.0	0.66	0.65	0.63
34.0	14.21	14.27	14.33	220.0	0.60	0.59	0.57
35.0	15.46	15.52	15.63	300.0	0.37	0.37	0.34
36.0	16.97	17.06	17.18	400.0	0.27	0.26	0.26
37.0	18.75	18.86	18.98	500.0	0.23	0.21	0.20
38.0	20.92	21.04	21.20	600.0	0.21	0.19	0.18
39.0	23.58	23.77	23.91	700.0	0.19	0.18	0.16
40.0	26.97	27.18	27.39	800.0	0.19	0.17	0.16
41.0	31.57	31.85	32.13	900.0	0.18	0.16	0.15
42.0	38.04	38.46	38.89	1000.0	0.18	0.17	0.15