

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	64.71	60.94	58.49	64.36	60.39	58.04
1.0	0.01	0.02	0.02	59.91	57.29	55.66	59.93	57.27	55.56
10.0	0.03	0.04	0.04	43.98	41.92	40.94	43.85	41.81	40.89
30.0	0.04	0.06	0.07	36.21	34.50	33.49	36.08	34.37	33.47
50.0	0.07	0.09	0.09	32.89	31.70	30.87	32.56	31.51	30.83
70.0	0.10	0.12	0.13	31.78	31.46	31.15	31.22	31.07	30.97
80.0	0.13	0.14	0.15	32.30	32.79	33.04	31.38	31.94	32.45
88.0	0.14	0.17	0.18	33.60	35.38	36.66	32.08	33.36	34.65
100.0	0.18	0.21	0.23	38.08	44.66	47.00	33.70	35.01	35.45
120.0	0.34	0.39	0.43	28.66	27.00	25.71	27.65	25.97	24.69
130.0	0.52	0.60	0.66	23.82	23.47	23.01	23.20	22.42	21.62
140.0	1.05	1.18	1.29	16.52	16.57	16.60	15.35	15.04	14.69
150.0	4.62	5.11	5.54	5.32	5.16	5.00	4.62	4.42	4.23
160.0	17.73	18.49	19.24	1.70	1.76	1.78	1.28	1.33	1.35
168.0	34.69	35.71	36.68	1.19	1.27	1.32	0.88	0.95	0.99
170.0	40.53	41.59	42.78	1.12	1.20	1.24	0.84	0.91	0.95
172.0	47.45	48.69	49.79	1.07	1.15	1.19	0.80	0.87	0.91
174.0	55.45	56.55	56.82	1.03	1.11	1.15	0.77	0.84	0.89
176.0	60.82	60.30	59.45	0.98	1.06	1.12	0.76	0.84	0.88
180.0	55.24	54.62	53.53	0.93	1.01	1.07	0.80	0.90	0.97
184.0	49.35	49.49	50.13	0.92	1.01	1.08	1.11	1.16	1.16
190.0	51.53	51.16	50.84	1.07	1.18	1.29	0.58	0.66	0.70
194.0	52.91	52.69	52.98	1.58	1.80	2.03	0.51	0.59	0.64
196.0	55.44	55.27	55.02	2.38	2.75	3.12	0.50	0.57	0.63
200.0	50.26	50.13	50.46	3.19	2.93	2.65	0.46	0.54	0.60
206.0	58.69	59.45	60.81	0.75	0.84	0.89	0.45	0.52	0.59
210.0	71.57	70.43	71.16	0.58	0.68	0.75	0.45	0.53	0.59
216.0	73.35	67.68	65.78	0.55	0.65	0.72	0.48	0.59	0.65
220.0	58.31	57.48	56.63	0.58	0.68	0.76	0.56	0.67	0.75
223.0	53.06	52.34	51.30	0.63	0.74	0.81	0.66	0.78	0.87
228.0	39.65	38.29	36.87	0.75	0.87	0.96	1.00	1.16	1.30
230.0	33.67	32.45	31.17	0.85	0.96	1.07	1.25	1.45	1.63
238.0	14.51	13.92	13.29	1.82	2.04	2.24	5.74	6.61	7.58
250.0	5.09	5.14	5.12	4.41	4.50	4.63	7.04	6.88	6.82
254.0	4.24	4.30	4.30	5.14	5.22	5.34	6.22	6.18	6.21
260.0	3.22	3.30	3.32	6.64	6.68	6.78	6.60	6.58	6.63
280.0	1.45	1.52	1.56	13.92	13.90	13.82	11.09	11.08	11.03
300.0	0.90	0.95	0.99	21.53	21.99	21.99	15.08	15.11	15.03
320.0	0.69	0.74	0.77	24.76	24.57	24.81	17.48	17.33	17.22
330.0	0.63	0.68	0.71	25.05	24.16	24.17	18.35	18.03	17.85
350.0	0.53	0.59	0.63	25.38	23.52	23.00	19.83	19.13	18.76
400.0	0.42	0.48	0.51	27.40	24.26	22.76	23.07	21.56	20.59
500.0	0.35	0.40	0.43	31.85	28.72	25.80	29.17	26.99	24.81
600.0	0.34	0.39	0.43	32.37	31.39	28.99	38.31	34.11	30.00
700.0	0.34	0.39	0.43	29.26	29.25	28.55	47.77	49.37	36.64
800.0	0.35	0.41	0.45	26.58	26.65	26.32	35.39	42.17	48.69
900.0	0.37	0.44	0.47	24.40	24.76	24.50	30.84	36.57	40.64
1000.0	0.39	0.46	0.51	22.92	23.42	23.22	29.16	34.44	36.13
1200.0	0.44	0.52	0.57	21.85	22.01	21.81	29.93	33.34	33.52
1400.0	0.49	0.59	0.66	21.85	21.85	21.68	33.33	34.55	35.14
1600.0	0.58	0.69	0.76	23.19	22.84	22.62	35.40	37.28	40.28
1800.0	0.68	0.80	0.89	25.70	24.83	23.93	32.52	34.06	32.37
2000.0	0.82	0.96	1.06	27.33	25.54	23.53	28.07	27.54	25.78

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	1.84	1.90		2.04	330.0	2.16
1.0	1.86	1.91	2.02	350.0	1.73	1.71	1.71
5.0	1.82	1.82	1.79	370.0	1.48	1.45	1.44
10.0	1.80	1.83	1.80	400.0	1.20	1.19	1.18
30.0	1.90	1.87	1.84	450.0	0.97	0.95	0.93
32.0	1.88	1.88	1.88	500.0	0.81	0.82	0.81
34.0	1.90	1.88	1.90	550.0	0.75	0.73	0.74
36.0	1.91	1.92	1.90	600.0	0.70	0.69	0.69
38.0	1.91	1.93	1.92	650.0	0.66	0.65	0.65
40.0	1.97	1.94	1.94	700.0	0.63	0.63	0.62
42.0	1.97	1.99	1.97	750.0	0.62	0.61	0.60
44.0	1.99	2.01	2.01	800.0	0.60	0.59	0.58
46.0	2.03	2.02	2.05	850.0	0.59	0.58	0.57
48.0	2.04	2.05	2.07	900.0	0.58	0.57	0.56
50.0	2.06	2.05	2.08	950.0	0.57	0.56	0.56
52.0	2.08	2.09	2.10	955.0	0.57	0.56	0.55
54.0	2.10	2.10	2.11	960.0	0.57	0.56	0.55
56.0	2.15	2.15	2.15	965.0	0.57	0.55	0.55
58.0	2.16	2.17	2.19	970.0	0.57	0.56	0.55
60.0	2.20	2.21	2.22	975.0	0.56	0.56	0.55
62.0	2.26	2.28	2.27	980.0	0.57	0.56	0.55
64.0	2.33	2.32	2.33	985.0	0.56	0.55	0.55
66.0	2.34	2.36	2.34	990.0	0.56	0.55	0.55
68.0	2.37	2.39	2.39	995.0	0.56	0.55	0.55
70.0	2.45	2.46	2.46	1000.0	0.56	0.56	0.55
72.0	2.47	2.48	2.49	1200.0	0.55	0.54	0.53
74.0	2.52	2.53	2.56	1300.0	0.54	0.53	0.53
76.0	2.60	2.61	2.60	1325.0	0.54	0.53	0.53
78.0	2.64	2.65	2.64	1350.0	0.54	0.53	0.53
80.0	2.72	2.71	2.71	1375.0	0.54	0.53	0.52
82.0	2.79	2.79	2.82	1400.0	0.54	0.53	0.52
84.0	2.88	2.89	2.89	1425.0	0.54	0.53	0.53
86.0	2.93	2.94	2.96	1450.0	0.54	0.53	0.52
88.0	3.05	3.06	3.05	1475.0	0.54	0.53	0.52
90.0	3.11	3.12	3.13	1500.0	0.54	0.53	0.52
92.0	3.19	3.23	3.23	1525.0	0.53	0.52	0.52
94.0	3.33	3.35	3.35	1550.0	0.54	0.53	0.52
96.0	3.42	3.44	3.45	1575.0	0.53	0.52	0.52
98.0	3.51	3.52	3.55	1600.0	0.54	0.53	0.52
100.0	3.68	3.67	3.71	1625.0	0.54	0.53	0.52
102.0	3.82	3.84	3.85	1650.0	0.53	0.53	0.52
104.0	3.96	3.98	4.02	1675.0	0.54	0.53	0.53
106.0	4.11	4.13	4.16	1700.0	0.54	0.53	0.52
108.0	4.29	4.30	4.35	1725.0	0.54	0.53	0.52
110.0	4.50	4.52	4.55	1750.0	0.54	0.53	0.53
112.0	4.67	4.71	4.76	1775.0	0.53	0.53	0.52
114.0	4.93	4.98	5.02	1800.0	0.54	0.53	0.52
116.0	5.19	5.21	5.26	1825.0	0.54	0.53	0.52
118.0	5.47	5.50	5.55	1850.0	0.54	0.53	0.52
120.0	5.74	5.80	5.86	1875.0	0.54	0.53	0.53
122.0	6.16	6.19	6.26	1900.0	0.54	0.53	0.53
124.0	6.52	6.60	6.67	1925.0	0.54	0.53	0.53
126.0	6.97	7.05	7.13	1950.0	0.54	0.53	0.53
128.0	7.50	7.60	7.67	1975.0	0.54	0.53	0.53
130.0	8.12	8.23	8.31	2000.0	0.54	0.52	0.52