

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
1.0	94.11	95.79	91.02	0.29	0.39	0.46	0.28	0.38	0.45
5.0	87.11	91.43	87.80	0.33	0.43	0.49	0.32	0.43	0.49
6.0	88.86	86.02	86.68	0.33	0.43	0.50	0.33	0.43	0.50
10.0	84.74	82.91	82.87	0.35	0.45	0.52	0.34	0.43	0.51
20.0	77.85	80.60	80.74	0.37	0.45	0.50	0.35	0.44	0.49
30.0	77.02	78.27	77.51	0.35	0.41	0.46	0.35	0.41	0.45
40.0	77.75	77.52	78.02	0.32	0.37	0.40	0.30	0.35	0.39
50.0	78.46	79.02	80.37	0.28	0.32	0.35	0.27	0.31	0.33
60.0	79.19	77.58	79.79	0.24	0.27	0.29	0.23	0.26	0.28
70.0	83.36	81.50	87.20	0.20	0.23	0.25	0.19	0.23	0.24
80.0	94.22	103.71	91.15	0.17	0.20	0.22	0.16	0.20	0.22
90.0	74.52	74.49	74.28	0.15	0.18	0.19	0.13	0.17	0.19
100.0	64.49	64.68	64.16	0.13	0.16	0.17	0.11	0.15	0.17
110.0	54.69	54.26	54.00	0.13	0.16	0.18	0.11	0.15	0.18
120.0	43.88	43.45	43.11	0.16	0.19	0.22	0.14	0.20	0.23
130.0	31.08	30.60	30.22	0.28	0.35	0.39	0.27	0.35	0.40
131.0	29.61	29.14	28.73	0.30	0.37	0.43	0.29	0.38	0.43
132.0	28.11	27.62	27.21	0.34	0.42	0.48	0.32	0.42	0.48
133.0	26.55	26.06	25.64	0.37	0.47	0.53	0.36	0.47	0.54
134.0	24.94	24.45	24.02	0.41	0.52	0.59	0.41	0.53	0.60
135.0	23.27	22.77	22.33	0.47	0.59	0.67	0.47	0.59	0.68
136.0	21.55	21.05	20.59	0.54	0.68	0.78	0.54	0.69	0.79
137.0	19.73	19.24	18.78	0.64	0.80	0.93	0.65	0.81	0.93
138.0	17.89	17.38	16.93	0.76	0.96	1.11	0.78	0.98	1.11
139.0	15.94	15.46	15.02	0.94	1.18	1.37	0.96	1.20	1.38
140.0	13.95	13.49	13.04	1.19	1.50	1.74	1.22	1.51	1.74
141.0	11.91	11.48	11.08	1.56	1.96	2.29	1.60	1.97	2.28
142.0	9.85	9.50	9.13	2.14	2.67	3.11	2.19	2.68	3.08
143.0	7.85	7.60	7.32	3.05	3.75	4.36	3.11	3.76	4.30
144.0	6.02	5.90	5.74	4.49	5.42	6.26	4.57	5.43	6.15
145.0	4.49	4.53	4.48	6.75	7.98	9.11	6.87	7.96	8.89
146.0	3.37	3.55	3.60	10.20	11.76	13.28	10.40	11.68	12.78
147.0	2.65	2.92	3.04	15.28	17.13	19.02	15.72	16.92	17.81
148.0	2.26	2.56	2.72	21.34	22.25	22.65	22.61	21.85	21.15
149.0	2.05	2.35	2.52	20.92	20.64	20.16	21.76	20.68	19.86
150.0	1.94	2.24	2.40	18.28	18.43	18.30	18.72	18.64	18.45
155.0	1.63	1.90	2.06	21.14	21.96	22.46	23.64	23.86	24.05
160.0	1.52	1.78	1.95	22.45	23.88	24.80	23.87	24.79	25.36
161.0	1.51	1.77	1.93	22.54	24.37	25.55	23.38	24.92	26.06
165.0	1.51	1.80	1.98	31.85	29.61	26.39	29.79	29.38	28.52
170.0	1.69	2.01	2.21	17.31	16.68	16.31	17.36	16.75	16.62
171.0	1.73	2.05	2.25	16.35	16.08	16.00	16.39	16.15	16.21
172.0	1.78	2.11	2.30	16.00	16.08	16.27	16.00	16.11	16.43
173.0	1.81	2.14	2.35	16.31	16.81	17.37	16.26	16.74	17.42
174.0	1.84	2.20	2.42	17.57	18.63	19.66	17.35	18.33	19.50
175.0	1.89	2.27	2.54	20.48	22.38	23.56	19.63	21.20	22.52
176.0	1.97	2.42	2.74	27.22	25.77	22.29	22.83	22.61	21.10
177.0	2.16	2.69	3.09	23.77	18.90	16.18	20.41	17.76	15.79
178.0	2.48	3.13	3.63	15.79	13.39	11.77	14.82	12.96	11.61
179.0	3.03	3.80	4.40	11.13	9.73	8.70	10.70	9.52	8.62
180.0	3.82	4.70	5.39	8.02	7.20	6.53	7.79	7.07	6.50
190.0	16.95	17.69	18.31	1.05	1.15	1.19	1.03	1.14	1.19
200.0	27.01	27.49	27.94	0.53	0.61	0.64	0.51	0.60	0.64
300.0	64.64	64.80	65.34	0.09	0.13	0.15	0.08	0.13	0.15
400.0	81.17	80.22	81.20	0.06	0.09	0.10	0.03	0.08	0.10
500.0	88.74	88.07	88.86	0.04	0.07	0.09	0.02	0.08	0.10
1000.0	88.27	92.77	91.66	0.06	0.11	0.14	0.02	0.10	0.14
1500.0	74.72	74.93	75.52	0.10	0.16	0.21	0.05	0.15	0.20
2000.0	65.56	60.04	61.50	0.14	0.22	0.26	0.08	0.22	0.27
2100.0	60.10	68.14	67.01	0.14	0.22	0.27	0.07	0.21	0.26
2200.0	60.40	65.85	69.88	0.15	0.23	0.28	0.07	0.22	0.28
2300.0	66.76	69.92	59.43	0.17	0.25	0.30	0.09	0.24	0.31
2400.0	53.52	55.34	55.07	0.19	0.26	0.31	0.08	0.25	0.32
2500.0	51.28	53.15	53.57	0.21	0.27	0.34	0.10	0.26	0.33
3000.0	40.97	41.35	42.17	0.25	0.37	0.50	0.12	0.32	0.46
4000.0	31.42	33.44	29.79	0.44	0.65	0.90	0.62	0.74	0.91
5000.0	14.13	15.28	17.79	3.36	3.45	4.03	2.53	2.98	3.12



## Typical Performance Data

FREQ.  (MHz)	GROUP DELAY		
	(nsec)		
	@-40°C	@+25°C	@+85°C
148.0	42.51	41.51	40.81
149.0	41.05	39.96	39.17
150.0	38.97	37.92	37.16
151.0	36.73	35.83	35.17
152.0	34.57	33.88	33.36
153.0	32.80	32.29	31.89
154.0	31.41	31.01	30.70
155.0	30.31	29.98	29.77
156.0	29.47	29.21	29.02
157.0	28.73	28.54	28.38
158.0	28.18	28.00	27.90
159.0	27.67	27.55	27.47
160.0	27.26	27.19	27.12
161.0	26.97	26.87	26.86
162.0	26.72	26.67	26.65
163.0	26.52	26.50	26.49
164.0	26.42	26.40	26.41
165.0	26.32	26.31	26.35
166.0	26.30	26.31	26.39
167.0	26.32	26.35	26.44
168.0	26.43	26.49	26.61
169.0	26.60	26.72	26.90
170.0	26.90	27.09	27.35
171.0	27.38	27.67	28.04
172.0	28.09	28.48	28.92
173.0	29.09	29.57	30.04
174.0	30.28	30.77	31.26
175.0	31.63	32.03	32.42