

Typical Performance Data

FREQ.	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
	(dB)			(dB)			(dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.01	0.00	0.00	0.00	56.38	55.24	53.15	55.93	59.38	56.96
0.10	0.01	0.01	0.01	39.76	41.49	42.70	39.75	41.48	42.67
0.20	0.02	0.02	0.02	36.21	36.28	36.60	36.18	36.28	36.59
0.30	0.02	0.02	0.03	33.14	32.23	31.97	33.09	32.23	31.99
0.40	0.03	0.03	0.03	30.35	29.51	29.17	30.34	29.52	29.20
0.50	0.03	0.03	0.04	28.07	27.46	27.23	28.09	27.48	27.25
0.60	0.03	0.04	0.04	26.38	25.81	25.65	26.42	25.84	25.66
0.70	0.04	0.05	0.05	25.02	24.43	24.24	25.07	24.48	24.28
0.80	0.05	0.05	0.06	23.84	23.24	23.01	23.89	23.30	23.07
0.90	0.05	0.06	0.07	22.80	22.20	21.96	22.86	22.26	22.02
1.00	0.06	0.07	0.07	21.83	21.28	21.05	21.91	21.35	21.12
1.10	0.07	0.08	0.08	20.94	20.46	20.25	21.02	20.54	20.32
1.20	0.08	0.09	0.09	20.16	19.72	19.53	20.24	19.80	19.61
1.30	0.09	0.10	0.10	19.47	19.05	18.87	19.55	19.13	18.94
1.40	0.10	0.11	0.12	18.84	18.44	18.26	18.92	18.52	18.34
1.50	0.11	0.12	0.13	18.24	17.87	17.70	18.34	17.96	17.78
1.60	0.12	0.13	0.14	17.71	17.36	17.20	17.80	17.44	17.28
1.70	0.13	0.14	0.15	17.20	16.89	16.74	17.30	16.97	16.82
1.80	0.14	0.15	0.16	16.73	16.45	16.32	16.83	16.54	16.40
1.90	0.15	0.16	0.17	16.30	16.05	15.92	16.39	16.14	16.00
2.00	0.16	0.17	0.19	15.90	15.68	15.56	15.99	15.77	15.64
2.10	0.18	0.19	0.20	15.51	15.34	15.22	15.60	15.43	15.30
2.20	0.19	0.20	0.21	15.15	15.02	14.91	15.24	15.11	14.99
2.30	0.20	0.21	0.22	14.82	14.73	14.62	14.91	14.82	14.70
2.40	0.21	0.22	0.23	14.53	14.47	14.36	14.61	14.55	14.43
2.50	0.22	0.23	0.24	14.27	14.23	14.12	14.35	14.31	14.19
2.60	0.23	0.24	0.25	14.04	14.01	13.90	14.12	14.09	13.97
2.70	0.24	0.25	0.26	13.82	13.81	13.71	13.91	13.89	13.78
2.80	0.25	0.26	0.27	13.63	13.64	13.53	13.71	13.71	13.60
3.00	0.26	0.27	0.29	13.31	13.34	13.23	13.39	13.42	13.29
3.30	0.28	0.29	0.31	13.01	13.05	12.92	13.07	13.11	12.97
3.60	0.29	0.29	0.32	12.85	12.92	12.75	12.91	12.98	12.80
3.90	0.28	0.29	0.32	12.88	12.97	12.74	12.93	13.02	12.78
4.20	0.27	0.28	0.31	13.09	13.20	12.91	13.15	13.24	12.95
4.50	0.24	0.25	0.28	13.55	13.65	13.30	13.61	13.69	13.33
4.80	0.21	0.23	0.26	14.24	14.34	13.91	14.30	14.37	13.93
5.10	0.18	0.20	0.23	15.19	15.32	14.83	15.23	15.32	14.81
5.40	0.15	0.17	0.19	16.48	16.65	16.10	16.50	16.61	16.03
5.70	0.12	0.14	0.16	18.23	18.48	17.90	18.18	18.35	17.68
6.00	0.10	0.12	0.13	20.83	21.08	20.51	20.58	20.66	19.94
6.30	0.08	0.10	0.12	24.52	24.74	24.39	23.47	23.39	22.68
6.60	0.08	0.11	0.12	28.03	28.34	28.79	25.26	25.09	24.55
6.90	0.10	0.12	0.13	26.08	26.52	26.84	23.56	23.63	23.26
7.00	0.10	0.12	0.14	24.66	25.13	25.24	22.57	22.72	22.37
7.50	0.16	0.18	0.20	18.84	19.35	19.09	17.97	18.36	18.05
7.80	0.20	0.22	0.24	16.63	17.11	16.88	16.02	16.44	16.21
8.10	0.25	0.26	0.29	14.96	15.46	15.29	14.52	14.97	14.82
8.40	0.30	0.31	0.33	13.73	14.22	14.16	13.40	13.85	13.81
8.70	0.35	0.35	0.37	12.80	13.28	13.33	12.54	12.98	13.05
9.00	0.39	0.40	0.41	12.13	12.56	12.72	11.92	12.32	12.50
9.50	0.44	0.45	0.46	11.45	11.79	12.08	11.31	11.63	11.94
10.00	0.46	0.50	0.50	11.19	11.39	11.75	11.11	11.29	11.68
10.50	0.48	0.53	0.54	11.21	11.28	11.67	11.22	11.28	11.69
11.00	0.49	0.55	0.57	11.48	11.48	11.84	11.58	11.56	11.94
11.50	0.50	0.55	0.59	11.97	11.91	12.22	12.13	12.06	12.37
12.00	0.50	0.55	0.59	12.51	12.54	12.76	12.76	12.80	13.02
12.50	0.53	0.55	0.60	13.13	13.29	13.44	13.41	13.68	13.80
13.00	0.55	0.55	0.60	13.92	14.20	14.28	14.06	14.51	14.59
13.50	0.54	0.55	0.60	14.82	15.05	15.05	14.78	15.27	15.24
14.00	0.52	0.56	0.61	15.54	15.79	15.60	15.31	15.75	15.51

## Typical Performance Data

FREQ.  (GHz)	GROUP DELAY		
	(psec)		
	@-55°C	@+25°C	@+125°C
0.01	73.55	69.92	65.22
0.20	51.79	52.16	52.55
0.40	51.21	51.64	52.02
0.60	51.11	51.56	51.94
0.80	51.08	51.44	51.75
1.00	51.04	51.33	51.63
1.30	50.71	51.05	51.30
1.60	50.42	50.67	50.91
1.90	50.28	50.43	50.75
2.20	49.62	50.01	50.24
2.50	49.29	49.67	49.94
2.80	49.12	49.54	49.82
3.10	49.13	49.52	49.84
3.40	49.15	49.54	49.79
3.70	49.33	49.83	50.02
4.00	49.70	50.26	50.33
4.30	50.62	51.06	51.08
4.60	51.71	52.10	52.04
4.90	52.61	52.91	53.05
5.20	53.87	54.29	54.42
5.50	54.67	55.11	55.32
5.80	55.89	56.31	56.87
6.10	56.96	57.36	57.68
6.40	57.91	58.28	58.84
6.70	58.32	58.76	59.32
7.00	58.78	59.06	59.71
7.30	58.99	59.39	59.85
7.60	58.81	59.33	59.70
7.90	59.00	59.62	59.81
8.20	58.66	59.37	59.52
8.50	58.71	59.63	59.83
9.00	58.54	59.68	60.20
9.50	59.34	60.31	61.16
10.00	60.81	61.35	62.35
10.50	61.61	62.03	62.88
11.00	62.99	63.30	64.01
11.50	64.56	64.44	64.53
12.00	66.16	65.50	66.31
12.50	65.94	67.10	67.19
13.00	66.35	67.67	68.23
14.00	70.21	70.97	71.32