

Typical Performance Data

FREQ.	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
(MHz)	(dB)			(dB)			(dB)		
	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C
0.5	0.19	0.25	0.32	33.01	30.76	28.81	33.02	30.78	28.83
1	0.19	0.25	0.32	32.90	30.69	28.75	32.91	30.71	28.77
5	0.22	0.28	0.34	31.42	29.50	27.75	31.43	29.59	27.96
10	0.23	0.28	0.35	29.21	27.70	26.18	29.19	27.88	26.64
20	0.27	0.33	0.38	27.21	26.26	25.05	27.17	26.60	26.03
30	0.33	0.39	0.44	29.08	28.78	28.00	29.24	29.60	30.31
35	0.36	0.42	0.48	31.68	31.49	30.51	32.54	33.18	33.38
40	0.40	0.46	0.53	33.43	32.09	29.71	36.38	33.94	30.25
50	0.50	0.58	0.66	27.51	26.14	24.10	28.56	26.55	23.84
60	0.61	0.71	0.80	25.43	24.90	23.96	26.00	25.31	24.10
70	0.75	0.87	0.97	32.77	34.06	37.10	32.84	35.27	43.43
75	0.86	0.98	1.11	36.68	33.21	29.14	33.15	31.06	27.69
80	1.00	1.16	1.30	29.84	27.66	24.79	27.95	25.74	23.03
83	1.11	1.29	1.45	30.20	28.42	25.78	27.78	25.45	22.80
85	1.22	1.41	1.59	31.27	30.51	28.49	28.26	25.86	23.25
86	1.28	1.47	1.67	29.84	29.98	29.22	27.49	25.42	23.07
88	1.44	1.66	1.88	23.46	23.59	23.63	22.91	21.90	20.55
90	1.69	1.94	2.21	17.58	17.42	17.12	17.50	16.94	16.10
92	2.10	2.41	2.74	12.93	12.72	12.33	12.96	12.56	11.94
93	2.40	2.74	3.12	11.00	10.79	10.42	11.03	10.70	10.15
94	2.77	3.16	3.58	9.29	9.11	8.77	9.32	9.06	8.58
95	3.24	3.66	4.14	7.80	7.65	7.35	7.84	7.62	7.22
96	3.82	4.28	4.80	6.52	6.40	6.15	6.54	6.39	6.06
98	5.30	5.83	6.45	4.52	4.49	4.34	4.54	4.48	4.29
100	7.15	7.72	8.41	3.16	3.19	3.13	3.17	3.19	3.11
102	9.30	9.89	10.59	2.29	2.36	2.35	2.29	2.35	2.33
104	11.60	12.19	12.90	1.72	1.80	1.83	1.72	1.81	1.83
106	13.98	14.56	15.26	1.37	1.46	1.50	1.36	1.46	1.50
108	16.40	16.97	17.64	1.14	1.23	1.28	1.13	1.23	1.29
110	18.81	19.37	20.03	0.98	1.07	1.12	0.96	1.06	1.13
112	21.20	21.74	22.38	0.87	0.96	1.01	0.84	0.95	1.02
113	22.42	22.94	23.55	0.82	0.91	0.97	0.80	0.91	0.97
116	25.99	26.48	27.09	0.72	0.80	0.85	0.70	0.79	0.87
118	28.37	28.87	29.46	0.67	0.75	0.80	0.65	0.74	0.81
119	29.58	30.07	30.65	0.65	0.73	0.78	0.62	0.71	0.78
120	30.78	31.25	31.84	0.63	0.71	0.76	0.61	0.70	0.77
140	62.16	63.05	63.75	0.41	0.47	0.51	0.40	0.48	0.53
160	61.79	62.25	62.52	0.32	0.38	0.42	0.30	0.37	0.41
180	70.59	71.22	72.10	0.26	0.31	0.35	0.24	0.30	0.34
200	77.03	85.21	83.13	0.21	0.27	0.30	0.20	0.27	0.30
210	76.63	74.02	74.71	0.19	0.25	0.28	0.19	0.25	0.29
250	73.70	78.12	75.34	0.15	0.20	0.23	0.14	0.20	0.24
280	82.77	85.88	83.73	0.13	0.18	0.21	0.12	0.19	0.22
300	91.50	87.45	89.45	0.12	0.17	0.19	0.10	0.17	0.20
320	86.86	83.20	87.48	0.10	0.15	0.18	0.09	0.16	0.19
400	76.69	74.60	76.73	0.07	0.13	0.16	0.06	0.14	0.17
440	73.84	74.42	75.73	0.07	0.13	0.16	0.04	0.13	0.16
500	73.59	73.54	73.21	0.05	0.12	0.14	0.03	0.12	0.16
525	73.31	74.90	75.95	0.05	0.12	0.15	0.03	0.13	0.17
550	74.01	75.17	74.74	0.05	0.11	0.15	0.03	0.12	0.17
575	74.29	75.81	75.91	0.04	0.12	0.14	0.02	0.12	0.17
600	75.16	74.74	76.07	0.04	0.12	0.15	0.02	0.13	0.17
625	78.27	77.45	75.39	0.04	0.11	0.14	0.02	0.13	0.17
650	78.00	79.06	79.04	0.04	0.12	0.15	0.02	0.13	0.19
675	78.59	80.53	80.17	0.04	0.11	0.15	0.01	0.12	0.18
700	80.16	80.45	78.39	0.04	0.12	0.15	0.02	0.13	0.19
750	83.61	81.60	77.73	0.03	0.12	0.16	0.01	0.13	0.20
800	80.29	83.31	80.59	0.04	0.12	0.16	0.01	0.14	0.20
815	79.46	81.28	81.50	0.03	0.13	0.17	0.00	0.14	0.20
850	79.38	77.68	83.54	0.03	0.13	0.17	0.01	0.14	0.21

Typical Performance Data

FREQ.	GROUP DELAY		
(MHz)	(ns)		
	@-40°C	@+25°C	@+85°C
0.5	7.52	7.36	7.52
1	7.51	7.40	7.49
2	7.53	7.44	7.52
3	7.55	7.46	7.51
4	7.53	7.51	7.52
5	7.57	7.52	7.54
6	7.58	7.57	7.55
7	7.56	7.55	7.53
8	7.54	7.57	7.55
9	7.48	7.53	7.48
10	7.51	7.52	7.51
11	7.50	7.51	7.49
12	7.47	7.48	7.48
13	7.51	7.48	7.50
14	7.47	7.51	7.50
15	7.47	7.49	7.48
16	7.50	7.52	7.53
17	7.52	7.53	7.53
18	7.55	7.54	7.54
19	7.58	7.58	7.59
20	7.58	7.59	7.60
21	7.63	7.66	7.66
22	7.64	7.66	7.67
23	7.68	7.69	7.70
24	7.72	7.72	7.74
25	7.73	7.76	7.76
26	7.76	7.76	7.78
27	7.82	7.83	7.85
28	7.82	7.84	7.86
29	7.87	7.88	7.91
30	7.89	7.90	7.93
35	8.08	8.10	8.13
40	8.29	8.31	8.34
45	8.56	8.58	8.58
50	8.86	8.89	8.88
55	9.28	9.29	9.30
60	9.81	9.84	9.85
65	10.46	10.50	10.57
70	11.30	11.37	11.44
75	12.41	12.48	12.59
77	12.94	13.02	13.12
78	13.25	13.33	13.44
79	13.57	13.66	13.78
80	13.94	14.04	14.15
81	14.32	14.43	14.55
83	15.23	15.36	15.52