

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	0.02	0.03	0.04	51.85	48.87	46.90	51.81	48.82	46.81
1.0	0.02	0.04	0.05	51.58	48.62	46.53	51.43	48.70	46.61
5.0	0.04	0.04	0.05	50.10	47.08	44.08	49.38	47.16	44.71
10.0	0.04	0.05	0.06	48.65	45.86	41.57	46.58	46.13	42.93
50.0	0.08	0.09	0.11	49.81	41.74	36.41	39.11	42.76	49.81
100.0	0.11	0.14	0.16	38.16	34.11	28.55	52.32	33.24	27.40
125.0	0.12	0.17	0.19	35.96	30.79	27.23	36.77	30.64	26.90
150.0	0.14	0.19	0.21	31.51	28.00	25.45	30.91	28.05	25.63
175.0	0.16	0.22	0.26	27.88	25.67	23.56	27.87	25.74	23.57
200.0	0.19	0.25	0.28	24.88	24.19	23.10	24.97	24.26	23.02
225.0	0.22	0.28	0.30	22.42	23.45	23.97	22.49	23.52	24.02
250.0	0.23	0.28	0.32	21.74	23.67	25.59	21.81	23.79	25.71
275.0	0.25	0.31	0.35	22.91	25.06	27.47	23.05	25.14	27.56
300.0	0.24	0.32	0.35	26.16	28.71	31.63	26.24	28.80	32.06
325.0	0.26	0.35	0.39	34.88	41.27	38.63	34.83	44.92	42.98
350.0	0.29	0.40	0.44	32.74	29.97	27.17	32.80	29.99	26.98
400.0	0.41	0.53	0.58	20.66	21.39	21.68	20.61	21.32	21.64
425.0	0.45	0.57	0.64	21.93	23.38	24.80	21.86	23.21	24.54
450.0	0.51	0.66	0.74	32.69	33.86	33.29	31.97	33.28	33.76
475.0	0.66	0.85	0.96	21.56	21.13	20.43	22.16	21.99	21.44
500.0	0.96	1.24	1.43	20.11	18.77	17.31	27.21	25.02	22.57
501.0	0.99	1.28	1.48	19.55	18.06	16.55	25.81	23.21	20.87
502.0	1.02	1.32	1.53	18.87	17.28	15.74	24.12	21.48	19.31
503.0	1.06	1.37	1.60	18.09	16.46	14.91	22.42	19.91	17.90
504.0	1.09	1.42	1.66	17.24	15.59	14.09	20.77	18.46	16.60
505.0	1.13	1.48	1.74	16.35	14.73	13.27	19.22	17.12	15.40
510.0	1.49	1.94	2.31	11.90	10.68	9.54	13.06	11.76	10.59
515.0	2.23	2.82	3.34	7.98	7.21	6.46	8.61	7.85	7.10
520.0	3.37	4.09	4.75	5.29	4.86	4.41	5.63	5.24	4.80
525.0	5.01	5.84	6.58	3.48	3.29	3.05	3.67	3.53	3.31
530.0	7.09	7.96	8.74	2.32	2.30	2.19	2.45	2.46	2.37
535.0	9.47	10.33	11.10	1.65	1.70	1.67	1.71	1.80	1.79
540.0	11.95	12.78	13.51	1.24	1.33	1.34	1.28	1.41	1.44
545.0	14.46	15.25	15.94	0.99	1.10	1.13	1.01	1.16	1.22
550.0	16.93	17.69	18.33	0.84	0.95	1.00	0.85	1.00	1.07
555.0	19.33	20.04	20.66	0.74	0.86	0.91	0.74	0.90	0.97
560.0	21.68	22.35	22.96	0.67	0.78	0.84	0.66	0.82	0.89
565.0	23.99	24.63	25.20	0.62	0.73	0.78	0.60	0.76	0.83
570.0	26.27	26.88	27.43	0.58	0.69	0.74	0.56	0.71	0.79
575.0	28.52	29.12	29.64	0.55	0.66	0.71	0.53	0.67	0.75
580.0	30.78	31.31	31.83	0.52	0.63	0.68	0.50	0.64	0.72
585.0	32.95	33.48	33.98	0.50	0.61	0.66	0.47	0.61	0.69
600.0	38.84	39.32	39.81	0.45	0.55	0.60	0.42	0.56	0.63
650.0	49.08	49.25	49.70	0.35	0.44	0.49	0.32	0.45	0.52
700.0	49.11	49.21	49.62	0.29	0.37	0.41	0.27	0.40	0.46
750.0	48.88	48.99	49.55	0.25	0.34	0.37	0.23	0.36	0.42
800.0	49.29	49.54	50.20	0.22	0.31	0.34	0.20	0.33	0.40
900.0	51.33	51.63	52.56	0.19	0.29	0.31	0.16	0.30	0.35
1000.0	53.73	54.21	55.14	0.19	0.28	0.30	0.15	0.29	0.34
1200.0	58.89	59.54	60.57	0.20	0.29	0.31	0.11	0.27	0.32
1400.0	65.85	65.68	65.80	0.21	0.31	0.33	0.11	0.28	0.34
1600.0	67.66	69.07	65.85	0.22	0.32	0.34	0.10	0.28	0.36
1800.0	74.91	75.57	67.71	0.21	0.34	0.36	0.09	0.28	0.38
2000.0	68.77	66.96	65.60	0.21	0.33	0.37	0.10	0.28	0.39
2500.0	56.43	70.94	67.00	0.17	0.31	0.36	0.09	0.35	0.42
3000.0	49.39	46.47	54.09	0.14	0.30	0.36	0.05	0.42	0.56
3500.0	44.62	43.13	42.96	0.14	0.35	0.41	0.14	0.44	0.68
4000.0	45.18	48.65	46.51	0.21	0.38	0.47	0.10	0.34	0.47
4500.0	41.96	42.75	41.16	0.36	0.52	0.56	0.14	0.50	0.63

Typical Performance Data

FREQ. (MHz)	GROUP DELAY		
	(nsec)		
	@-40°C	@+25°C	@+85°C
0.5	1.99	2.18	2.00
1.0	1.98	2.14	1.98
5.0	2.01	2.05	2.00
10.0	2.00	2.00	1.99
25.0	2.00	1.98	1.97
50.0	2.00	1.97	1.97
100.0	2.03	2.02	2.00
150.0	2.09	2.08	2.06
200.0	2.19	2.17	2.15
250.0	2.32	2.30	2.28
300.0	2.53	2.53	2.50
305.0	2.56	2.55	2.54
310.0	2.59	2.57	2.56
315.0	2.61	2.60	2.58
320.0	2.65	2.63	2.62
325.0	2.68	2.66	2.66
330.0	2.71	2.70	2.69
335.0	2.75	2.73	2.72
340.0	2.78	2.76	2.75
345.0	2.81	2.80	2.78
350.0	2.85	2.83	2.82
355.0	2.89	2.88	2.88
360.0	2.93	2.91	2.90
365.0	2.97	2.95	2.94
370.0	3.04	3.02	3.00
375.0	3.07	3.06	3.05
380.0	3.12	3.12	3.10
385.0	3.18	3.17	3.16
390.0	3.23	3.23	3.22
395.0	3.26	3.26	3.25
400.0	3.35	3.34	3.33
405.0	3.40	3.41	3.41
410.0	3.49	3.50	3.49
415.0	3.58	3.58	3.59
420.0	3.67	3.67	3.69
425.0	3.76	3.78	3.79
430.0	3.87	3.88	3.90
435.0	4.00	4.01	4.04
440.0	4.12	4.14	4.15
445.0	4.25	4.28	4.29
450.0	4.41	4.42	4.44
455.0	4.58	4.59	4.61
460.0	4.77	4.80	4.80
465.0	4.94	4.96	4.99
470.0	5.17	5.20	5.24
475.0	5.40	5.45	5.49
480.0	5.69	5.74	5.81
485.0	6.03	6.12	6.19
490.0	6.48	6.60	6.72
491.0	6.57	6.70	6.83
492.0	6.68	6.81	6.95
493.0	6.79	6.93	7.08
494.0	6.92	7.07	7.23
495.0	7.05	7.22	7.37
496.0	7.18	7.35	7.51
497.0	7.34	7.50	7.67
498.0	7.47	7.65	7.83
499.0	7.65	7.83	8.00
500.0	7.79	7.98	8.16



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