

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
100	115.15	97.81	118.10	0.02	0.01	0.00	0.04	0.03	0.03
120	99.78	98.35	98.71	0.02	0.01	0.00	0.05	0.03	0.03
140	106.73	107.34	95.42	0.03	0.00	0.01	0.06	0.04	0.03
160	95.72	93.57	99.55	0.03	0.01	0.01	0.06	0.04	0.04
180	105.82	109.18	98.85	0.03	0.01	0.02	0.06	0.04	0.03
200	106.45	94.49	102.11	0.03	0.01	0.02	0.06	0.04	0.03
220	92.29	96.47	99.04	0.04	0.01	0.02	0.06	0.04	0.03
240	98.48	98.40	96.46	0.03	0.01	0.01	0.05	0.03	0.03
260	94.14	90.98	97.06	0.04	0.01	0.01	0.05	0.03	0.03
280	105.12	97.74	97.38	0.03	0.01	0.01	0.05	0.03	0.02
300	95.72	99.13	106.54	0.03	0.02	0.02	0.05	0.03	0.02
320	97.23	96.17	94.38	0.04	0.02	0.02	0.04	0.02	0.02
340	101.36	104.67	98.45	0.03	0.02	0.01	0.04	0.03	0.02
360	96.87	95.08	95.44	0.03	0.01	0.00	0.04	0.02	0.01
380	94.71	100.69	115.31	0.02	0.00	0.01	0.03	0.01	0.00
400	73.95	72.77	72.73	0.02	0.04	0.04	0.00	0.02	0.04
405	64.37	63.59	63.13	0.04	0.06	0.07	0.02	0.05	0.06
410	52.76	51.78	51.09	0.08	0.11	0.12	0.06	0.09	0.11
412	47.34	46.06	45.41	0.11	0.14	0.16	0.08	0.12	0.14
415	37.65	36.16	35.27	0.18	0.23	0.26	0.14	0.20	0.23
416	33.92	32.31	31.31	0.22	0.28	0.32	0.17	0.24	0.28
417	29.84	28.07	26.96	0.28	0.35	0.40	0.22	0.31	0.35
419	20.23	18.07	16.60	0.53	0.69	0.84	0.43	0.62	0.76
420	14.46	12.10	10.43	0.90	1.28	1.69	0.76	1.17	1.58
421	8.09	5.92	4.50	2.15	3.48	5.16	1.93	3.30	4.99
422	2.83	2.04	1.73	7.77	12.63	19.90	7.27	12.18	19.50
425	0.94	0.99	1.05	20.43	26.90	30.22	18.44	23.38	23.71
428	0.82	0.87	0.95	17.59	19.75	19.59	16.87	19.22	18.43
430	0.73	0.79	0.87	23.85	33.67	26.74	20.78	25.82	22.06
432	0.72	0.80	0.88	19.93	21.20	19.80	19.11	20.97	19.51
435	0.69	0.77	0.84	22.43	28.19	28.16	24.11	39.83	46.84
438	0.75	0.86	0.94	18.92	18.19	17.54	19.00	18.46	17.97
440	0.81	0.88	0.98	16.81	19.59	18.00	17.63	21.58	20.07
442	0.83	0.95	1.06	18.40	19.02	17.88	20.64	21.06	19.71
445	0.94	1.12	1.24	32.93	36.88	32.65	27.40	23.85	23.87
448	1.52	2.10	3.01	25.03	16.94	10.49	28.44	16.94	10.10
449	3.63	5.90	8.14	6.77	4.14	2.87	6.68	4.03	2.77
450	9.74	12.83	15.08	1.85	1.39	1.16	1.84	1.33	1.13
452	22.89	25.49	27.15	0.47	0.48	0.46	0.49	0.46	0.47
453	28.37	30.75	32.22	0.32	0.35	0.35	0.34	0.34	0.36
455	37.78	39.80	41.00	0.19	0.22	0.23	0.20	0.21	0.24
458	49.27	51.04	51.96	0.10	0.13	0.14	0.10	0.12	0.15
460	55.83	57.38	58.23	0.06	0.10	0.10	0.07	0.09	0.12
470	81.22	81.32	84.15	0.00	0.03	0.03	0.01	0.02	0.04
500	98.88	100.72	105.23	0.03	0.00	0.01	0.04	0.01	0.00
520	95.72	108.47	102.33	0.03	0.00	0.00	0.04	0.01	0.00
540	99.44	98.53	97.94	0.03	0.01	0.00	0.04	0.01	0.00
560	107.96	98.82	112.08	0.03	0.01	0.00	0.04	0.01	0.00
580	100.63	102.65	105.84	0.03	0.01	0.00	0.04	0.01	0.00
600	105.05	98.83	102.45	0.03	0.01	0.00	0.04	0.01	0.00
700	104.65	100.49	102.05	0.03	0.00	0.00	0.04	0.01	0.00
800	105.96	108.76	109.35	0.03	0.01	0.01	0.04	0.00	0.01
900	106.06	109.62	108.34	0.03	0.02	0.02	0.03	0.00	0.02
1000	109.85	102.02	108.96	0.04	0.01	0.01	0.03	0.00	0.02
1100	105.75	117.50	104.13	0.02	0.03	0.03	0.02	0.02	0.04
1200	118.22	121.09	104.69	0.02	0.04	0.05	0.02	0.02	0.05
1300	105.05	104.45	104.21	0.02	0.04	0.05	0.02	0.02	0.05
1400	102.44	106.64	106.31	0.01	0.05	0.07	0.01	0.04	0.07
1500	103.29	107.20	103.83	0.01	0.05	0.07	0.01	0.04	0.07
1750	114.13	100.62	101.02	0.01	0.08	0.11	0.01	0.07	0.11

Typical Performance Data

FREQ. (MHz)	GROUP DELAY		
	(nsec)		
	@-40°C	@+25°C	@+85°C
425.0	101.46	96.80	93.57
425.5	95.68	91.25	88.35
426.0	90.11	86.40	84.09
426.5	85.39	82.55	80.83
427.0	81.76	79.61	78.30
427.5	78.99	77.28	76.24
428.0	76.77	75.36	74.48
428.5	74.91	73.72	72.96
429.0	73.32	72.30	71.65
429.5	71.94	71.10	70.53
430.0	70.77	70.07	69.59
430.5	69.79	69.22	68.82
431.0	68.96	68.50	68.18
431.5	68.27	67.91	67.66
432.0	67.69	67.43	67.23
432.5	67.22	67.04	66.90
433.0	66.85	66.73	66.64
433.5	66.56	66.50	66.47
434.0	66.36	66.35	66.37
434.5	66.24	66.27	66.35
435.0	66.20	66.26	66.41
435.5	66.23	66.33	66.53
436.0	66.33	66.48	66.72
436.5	66.50	66.71	66.98
437.0	66.74	67.01	67.32
437.5	67.04	67.40	67.74
438.0	67.42	67.88	68.25
438.5	67.87	68.45	68.86
439.0	68.42	69.13	69.58
439.5	69.07	69.91	70.43
440.0	69.85	70.82	71.41
440.5	70.76	71.88	72.57
441.0	71.84	73.11	73.91
441.5	73.12	74.54	75.49
442.0	74.61	76.20	77.32
442.5	76.34	78.13	79.45
443.0	78.35	80.35	81.93
443.5	80.65	82.95	84.90
444.0	83.37	86.12	88.64
444.5	86.71	90.18	93.42
445.0	91.00	95.40	99.23