

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.00V, Id = 68mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1000	28.96	52.36	3.95	17.77	4.35	1.38	24.83	13.28	1.87
1100	30.17	49.93	3.89	17.90	2.90	1.37	25.66	14.05	1.58
1200	31.06	50.25	3.97	15.68	2.72	1.35	26.81	14.41	1.40
1300	31.61	48.01	4.16	13.71	2.08	1.29	27.06	14.57	1.22
1400	31.91	45.64	4.51	12.28	1.61	1.22	27.77	14.88	1.11
1500	32.01	44.30	4.92	11.39	1.44	1.15	28.17	15.25	0.99
1600	31.99	45.26	5.39	10.76	1.64	1.12	28.44	15.44	0.90
1700	31.81	43.30	5.93	10.41	1.43	1.05	28.49	15.28	0.84
1800	31.62	43.07	6.47	10.21	1.45	1.03	28.73	15.17	0.78
1900	31.36	41.74	6.97	10.16	1.37	0.98	28.97	15.32	0.72
2000	31.11	43.55	7.44	10.07	1.68	1.00	29.10	15.39	0.68
2100	30.83	42.11	7.87	10.09	1.53	0.97	29.28	15.06	0.69
2200	30.55	40.72	8.40	10.15	1.41	0.93	29.09	15.15	0.61
2300	30.29	40.83	8.76	10.16	1.48	0.93	29.42	15.50	0.63
2400	30.02	40.80	9.14	10.25	1.53	0.93	28.97	15.30	0.62
2500	29.76	39.29	9.49	10.29	1.39	0.89	28.67	14.82	0.59
2600	29.52	39.60	9.75	10.35	1.46	0.90	28.17	14.76	0.63
2700	29.27	40.10	10.02	10.37	1.58	0.91	28.06	14.98	0.65
2800	29.07	39.90	10.23	10.38	1.59	0.90	27.77	14.79	0.64
2900	28.86	39.09	10.41	10.41	1.50	0.89	28.04	15.00	0.65
3000	28.68	39.60	10.65	10.47	1.62	0.90	27.72	14.82	0.71
3100	28.52	39.17	10.80	10.43	1.58	0.89	27.41	14.57	0.64
3200	28.37	39.19	10.95	10.51	1.61	0.90	27.13	14.12	0.69
3300	28.24	38.70	10.98	10.50	1.56	0.89	27.28	14.28	0.65
3400	28.14	39.21	10.98	10.54	1.65	0.90	26.89	14.27	0.68
3500	28.01	39.04	10.92	10.62	1.65	0.90	26.42	14.12	0.69
3600	27.89	38.83	10.90	10.66	1.63	0.90	26.42	13.75	0.73
3700	27.76	38.34	10.87	10.81	1.59	0.90	26.11	13.60	0.70
3800	27.66	39.69	10.75	10.88	1.82	0.93	25.68	13.19	0.71
3900	27.56	39.09	10.71	11.08	1.74	0.92	25.62	12.97	0.68
4000	27.47	38.47	10.63	11.28	1.66	0.92	25.60	13.25	0.73
4100	27.38	39.42	10.59	11.48	1.84	0.94	25.04	12.88	0.73
4200	27.30	38.73	10.45	11.68	1.73	0.93	24.80	12.64	0.75
4300	27.23	39.19	10.30	11.99	1.83	0.95	24.91	12.64	0.76
4400	27.13	38.61	10.27	12.38	1.75	0.95	24.32	12.30	0.78
4500	27.06	39.32	10.12	12.78	1.90	0.97	23.97	12.00	0.81
4600	26.96	38.69	10.11	13.26	1.81	0.97	23.95	12.04	0.82
4700	26.87	39.07	10.08	13.78	1.90	0.98	23.35	11.51	0.83
4800	26.77	38.87	10.09	14.39	1.90	0.99	23.77	11.58	0.83
4900	26.68	38.81	10.01	15.19	1.91	0.99	23.62	11.53	0.84
5000	26.54	38.49	9.99	16.13	1.89	1.00	23.36	11.52	0.88
5100	26.43	38.54	10.04	17.13	1.93	1.01	22.68	11.05	0.92
5200	26.29	38.60	10.09	18.57	1.98	1.01	23.28	11.53	0.94
5300	26.13	38.46	10.21	20.04	1.99	1.02	22.98	11.30	0.94
5400	25.96	39.01	10.37	21.54	2.16	1.03	22.39	10.99	0.97
5500	25.78	39.05	10.55	23.14	2.22	1.03	21.78	10.34	1.00
5600	25.62	38.94	10.70	25.36	2.24	1.03	22.53	10.89	1.04
5700	25.42	38.40	10.96	27.43	2.17	1.02	22.31	10.62	1.05
5800	25.21	38.89	11.29	26.02	2.34	1.03	22.20	10.63	1.11
5900	24.99	38.67	11.60	23.91	2.35	1.02	22.50	10.92	1.10
6000	24.75	39.74	12.01	21.44	2.71	1.02	22.08	10.67	1.16

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.75V, Id = 65mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1000	28.74	50.70	3.90	17.77	3.66	1.38	24.22	12.91	1.89
1100	29.97	50.83	3.85	17.93	3.25	1.38	25.04	13.57	1.58
1200	30.87	48.66	3.90	15.68	2.29	1.36	26.18	14.05	1.40
1300	31.44	48.74	4.09	13.70	2.22	1.31	26.35	14.20	1.24
1400	31.75	46.32	4.40	12.28	1.74	1.23	27.05	14.41	1.13
1500	31.86	46.05	4.83	11.37	1.71	1.19	27.58	14.79	1.00
1600	31.84	44.25	5.27	10.78	1.48	1.12	27.92	14.86	0.90
1700	31.67	43.61	5.82	10.43	1.45	1.08	27.87	14.82	0.84
1800	31.48	42.19	6.35	10.26	1.33	1.03	28.03	14.71	0.80
1900	31.23	41.45	6.82	10.19	1.35	0.98	28.40	14.86	0.72
2000	30.98	41.19	7.35	10.16	1.35	0.97	28.34	14.93	0.68
2100	30.70	40.73	7.76	10.16	1.36	0.95	28.70	14.60	0.68
2200	30.42	41.15	8.28	10.27	1.49	0.95	28.30	14.69	0.62
2300	30.16	39.75	8.58	10.26	1.35	0.92	28.46	14.92	0.63
2400	29.90	40.26	9.01	10.37	1.45	0.93	28.11	14.72	0.59
2500	29.63	39.64	9.39	10.41	1.45	0.91	27.65	14.36	0.61
2600	29.40	40.60	9.61	10.49	1.62	0.93	27.28	14.30	0.64
2700	29.14	40.11	9.92	10.53	1.60	0.92	27.63	14.51	0.65
2800	28.93	39.52	10.13	10.50	1.55	0.91	26.60	14.21	0.66
2900	28.72	39.05	10.34	10.55	1.53	0.89	27.40	14.42	0.66
3000	28.55	39.44	10.54	10.65	1.62	0.90	27.16	14.35	0.71
3100	28.39	39.00	10.71	10.62	1.58	0.90	26.71	13.98	0.65
3200	28.23	39.31	10.87	10.66	1.65	0.91	26.44	13.65	0.71
3300	28.10	39.28	10.90	10.66	1.67	0.91	26.66	13.81	0.65
3400	27.99	38.84	10.90	10.71	1.62	0.90	26.11	13.79	0.70
3500	27.87	38.81	10.93	10.82	1.65	0.90	25.79	13.52	0.71
3600	27.74	39.14	10.83	10.83	1.71	0.91	25.71	13.15	0.73
3700	27.61	39.29	10.82	10.98	1.77	0.92	25.43	13.00	0.70
3800	27.51	38.78	10.72	11.13	1.70	0.92	24.96	12.82	0.71
3900	27.40	38.95	10.68	11.32	1.75	0.92	24.71	12.48	0.70
4000	27.32	39.49	10.62	11.48	1.86	0.94	24.81	12.75	0.72
4100	27.22	38.48	10.57	11.71	1.71	0.93	24.44	12.39	0.75
4200	27.14	38.71	10.44	11.91	1.76	0.94	24.18	12.14	0.76
4300	27.06	39.16	10.31	12.21	1.86	0.96	24.22	12.03	0.77
4400	26.95	38.55	10.30	12.58	1.79	0.95	23.72	11.69	0.80
4500	26.88	38.93	10.18	12.98	1.87	0.96	23.27	11.50	0.79
4600	26.78	38.76	10.14	13.51	1.87	0.97	23.35	11.53	0.81
4700	26.69	39.02	10.14	14.02	1.94	0.98	22.78	11.11	0.83
4800	26.58	38.37	10.10	14.67	1.85	0.98	23.20	11.08	0.83
4900	26.48	38.66	10.08	15.47	1.93	0.99	23.04	11.02	0.87
5000	26.34	39.25	10.09	16.30	2.09	1.01	22.80	11.01	0.89
5100	26.22	38.77	10.16	17.41	2.02	1.01	22.13	10.42	0.91
5200	26.07	38.79	10.22	18.66	2.07	1.02	22.72	11.00	0.98
5300	25.91	38.84	10.34	20.09	2.13	1.02	22.45	10.88	0.98
5400	25.74	39.05	10.52	21.46	2.22	1.03	21.88	10.47	0.98
5500	25.56	38.33	10.74	22.82	2.12	1.02	21.39	9.81	1.01
5600	25.39	38.99	10.91	24.15	2.31	1.03	22.08	10.48	1.02
5700	25.19	38.67	11.10	25.43	2.29	1.02	21.80	10.31	1.06
5800	24.98	39.03	11.44	24.24	2.44	1.02	21.68	10.10	1.12
5900	24.76	39.06	11.83	22.45	2.51	1.02	22.00	10.61	1.12
6000	24.52	39.01	12.24	20.62	2.57	1.01	21.69	10.24	1.17

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.25V, Id = 70mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1000	29.14	51.73	3.97	17.70	4.00	1.37	25.35	13.77	1.86
1100	30.35	50.27	3.96	17.95	2.97	1.37	26.11	14.43	1.57
1200	31.22	49.83	4.05	15.71	2.59	1.34	27.22	14.89	1.38
1300	31.77	48.89	4.24	13.74	2.25	1.29	27.42	15.03	1.21
1400	32.05	45.72	4.60	12.29	1.60	1.22	28.01	15.34	1.11
1500	32.14	45.44	5.04	11.36	1.60	1.16	28.52	15.71	1.00
1600	32.11	42.90	5.51	10.82	1.31	1.08	28.91	15.78	0.89
1700	31.93	43.98	6.05	10.42	1.50	1.07	28.82	15.73	0.82
1800	31.73	42.29	6.56	10.17	1.36	1.00	29.13	15.72	0.78
1900	31.47	41.88	7.08	10.08	1.36	0.98	29.46	15.77	0.72
2000	31.22	41.92	7.59	10.03	1.44	0.96	29.52	15.83	0.66
2100	30.94	41.32	8.01	10.02	1.42	0.94	29.82	15.50	0.69
2200	30.66	41.24	8.51	10.11	1.46	0.94	29.47	15.59	0.61
2300	30.39	41.15	8.89	10.10	1.52	0.93	30.01	15.94	0.62
2400	30.13	40.60	9.23	10.17	1.48	0.92	29.57	15.74	0.61
2500	29.87	39.70	9.62	10.23	1.42	0.89	28.94	15.26	0.57
2600	29.64	39.40	9.90	10.24	1.43	0.88	28.64	15.31	0.62
2700	29.38	39.80	10.13	10.27	1.52	0.90	28.07	15.54	0.64
2800	29.18	39.72	10.34	10.28	1.54	0.90	28.75	15.23	0.63
2900	28.97	39.30	10.48	10.30	1.52	0.89	28.57	15.45	0.64
3000	28.80	39.83	10.72	10.38	1.63	0.90	28.28	15.27	0.69
3100	28.64	39.42	10.85	10.33	1.59	0.89	28.07	15.01	0.63
3200	28.48	39.47	11.04	10.37	1.63	0.90	27.92	14.69	0.69
3300	28.36	38.86	11.07	10.38	1.57	0.88	27.94	14.85	0.64
3400	28.26	39.87	11.05	10.42	1.74	0.90	27.62	14.96	0.66
3500	28.13	39.88	11.01	10.48	1.76	0.91	27.01	14.46	0.68
3600	28.01	39.08	10.93	10.52	1.65	0.90	26.96	14.20	0.72
3700	27.89	38.86	10.88	10.65	1.64	0.90	26.75	14.06	0.71
3800	27.79	38.73	10.81	10.82	1.64	0.90	26.38	13.65	0.70
3900	27.69	39.03	10.74	10.94	1.70	0.92	26.08	13.55	0.68
4000	27.61	38.69	10.65	11.10	1.67	0.91	26.24	13.83	0.70
4100	27.52	38.96	10.60	11.32	1.74	0.92	25.71	13.35	0.72
4200	27.45	38.96	10.47	11.53	1.74	0.93	25.47	13.11	0.73
4300	27.38	39.78	10.31	11.84	1.90	0.96	25.62	13.01	0.75
4400	27.28	38.85	10.25	12.18	1.76	0.95	25.07	12.78	0.79
4500	27.21	38.37	10.16	12.57	1.70	0.95	24.60	12.48	0.81
4600	27.11	39.03	10.11	13.12	1.84	0.97	24.65	12.52	0.80
4700	27.03	38.73	10.06	13.62	1.81	0.97	24.13	12.12	0.81
4800	26.93	38.78	10.02	14.22	1.84	0.98	24.39	12.06	0.81
4900	26.84	38.32	9.96	15.04	1.79	0.98	24.31	12.02	0.85
5000	26.72	38.48	9.92	15.97	1.84	1.00	24.07	12.02	0.87
5100	26.61	39.04	9.98	16.95	1.98	1.01	23.38	11.44	0.91
5200	26.47	38.42	10.00	18.38	1.90	1.01	23.95	11.92	0.93
5300	26.31	38.17	10.14	19.97	1.90	1.01	23.67	11.80	0.95
5400	26.14	38.13	10.28	21.62	1.93	1.01	23.04	11.38	0.95
5500	25.97	39.01	10.45	23.49	2.16	1.03	22.44	10.71	0.97
5600	25.81	39.03	10.61	26.19	2.21	1.03	23.25	11.38	1.00
5700	25.62	38.53	10.83	29.09	2.15	1.03	22.98	11.24	1.04
5800	25.41	38.97	11.11	27.87	2.31	1.03	22.83	11.02	1.08
5900	25.19	38.86	11.50	24.91	2.34	1.02	23.10	11.42	1.09
6000	24.95	39.16	11.86	22.09	2.48	1.02	22.73	11.05	1.15

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.00V, Id = 69mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1000	30.37	52.75	3.44	18.26	3.55	1.43	26.20	13.85	1.23
1100	31.54	51.62	3.55	18.88	2.80	1.42	26.80	14.48	1.03
1200	32.36	51.44	3.76	16.28	2.63	1.37	27.71	14.88	0.90
1300	32.83	48.49	4.13	13.94	1.91	1.29	27.89	14.96	0.78
1400	33.04	47.54	4.60	12.36	1.75	1.22	28.42	15.19	0.70
1500	33.06	43.94	5.15	11.44	1.29	1.12	28.90	15.51	0.61
1600	32.96	45.08	5.74	10.75	1.51	1.08	29.25	15.63	0.51
1700	32.72	43.14	6.35	10.36	1.34	1.01	29.32	15.50	0.47
1800	32.47	43.19	6.89	10.12	1.41	0.98	29.35	15.33	0.47
1900	32.17	42.25	7.47	9.98	1.34	0.96	29.69	15.46	0.39
2000	31.89	41.86	8.01	9.90	1.36	0.93	29.72	15.48	0.35
2100	31.58	42.36	8.43	9.82	1.48	0.94	29.91	15.13	0.36
2200	31.28	41.12	8.97	9.84	1.38	0.90	29.83	15.18	0.29
2300	31.00	41.05	9.31	9.77	1.43	0.89	30.20	15.39	0.32
2400	30.73	41.23	9.64	9.81	1.49	0.90	29.96	15.20	0.28
2500	30.45	40.34	10.03	9.81	1.42	0.88	29.39	14.68	0.29
2600	30.21	40.07	10.20	9.79	1.43	0.87	29.17	14.74	0.33
2700	29.95	40.35	10.47	9.78	1.50	0.88	28.46	14.96	0.34
2800	29.74	39.89	10.68	9.72	1.47	0.87	28.67	14.63	0.34
2900	29.53	40.07	10.91	9.75	1.53	0.88	28.40	14.72	0.33
3000	29.35	39.85	11.05	9.78	1.54	0.87	28.24	14.65	0.38
3100	29.19	39.86	11.24	9.66	1.56	0.87	27.99	14.28	0.34
3200	29.04	39.31	11.38	9.66	1.52	0.85	27.85	13.94	0.39
3300	28.93	39.46	11.47	9.62	1.55	0.86	27.97	14.12	0.35
3400	28.84	39.69	11.49	9.62	1.59	0.87	27.52	14.11	0.38
3500	28.72	39.20	11.40	9.65	1.53	0.87	27.03	13.85	0.38
3600	28.60	39.09	11.33	9.69	1.53	0.87	26.93	13.60	0.40
3700	28.48	39.51	11.25	9.71	1.62	0.88	26.76	13.34	0.37
3800	28.37	39.00	11.13	9.79	1.56	0.87	26.25	12.93	0.37
3900	28.27	38.86	11.07	9.90	1.56	0.87	26.01	12.72	0.36
4000	28.20	39.62	10.92	10.00	1.69	0.90	26.23	13.11	0.38
4100	28.12	38.79	10.76	10.11	1.57	0.89	25.69	12.64	0.39
4200	28.05	40.03	10.62	10.23	1.79	0.91	25.41	12.37	0.40
4300	27.98	39.42	10.36	10.40	1.68	0.92	25.55	12.28	0.42
4400	27.89	39.26	10.29	10.68	1.68	0.92	25.02	12.08	0.45
4500	27.83	38.62	10.13	10.91	1.60	0.91	24.68	11.78	0.44
4600	27.75	38.67	9.95	11.23	1.62	0.93	24.64	11.85	0.44
4700	27.68	37.99	9.88	11.61	1.54	0.92	24.06	11.46	0.45
4800	27.60	38.72	9.79	11.99	1.67	0.95	24.42	11.39	0.45
4900	27.53	38.38	9.67	12.59	1.64	0.95	24.22	11.38	0.46
5000	27.42	38.74	9.59	13.19	1.72	0.97	23.99	11.30	0.49
5100	27.34	38.74	9.58	13.97	1.74	0.98	23.27	10.85	0.51
5200	27.23	38.11	9.48	14.96	1.66	0.99	23.93	11.35	0.55
5300	27.09	38.35	9.56	15.95	1.74	1.00	23.54	11.24	0.54
5400	26.95	38.43	9.65	17.14	1.79	1.00	22.91	10.74	0.54
5500	26.81	38.32	9.77	18.43	1.81	1.01	22.37	10.07	0.57
5600	26.67	38.08	9.92	20.20	1.80	1.01	23.16	10.75	0.57
5700	26.52	38.01	10.06	23.07	1.83	1.02	22.83	10.64	0.60
5800	26.34	38.57	10.26	27.75	1.98	1.03	22.71	10.44	0.64
5900	26.14	38.31	10.51	32.26	1.98	1.02	23.05	10.88	0.62
6000	25.92	38.32	10.82	31.79	2.03	1.02	22.64	10.65	0.66

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)
 Gain(Power Gain) = S21 (dB)
 Reverse Isolation = -S12 (dB)
 Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.75V, Id = 66mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1000	30.19	52.42	3.40	18.26	3.46	1.44	24.22	13.37	1.24
1100	31.38	51.51	3.49	18.79	2.81	1.42	25.04	14.11	1.03
1200	32.21	48.89	3.69	16.12	1.98	1.37	26.18	14.41	0.90
1300	32.70	49.58	4.02	13.94	2.11	1.31	26.35	14.50	0.78
1400	32.92	45.91	4.50	12.39	1.49	1.22	27.05	14.73	0.69
1500	32.94	45.26	5.07	11.41	1.47	1.14	27.58	15.04	0.61
1600	32.85	46.20	5.59	10.72	1.65	1.12	27.92	15.17	0.52
1700	32.61	43.05	6.22	10.39	1.30	1.03	27.87	14.94	0.48
1800	32.37	43.03	6.79	10.15	1.38	1.00	28.03	14.88	0.44
1900	32.07	42.48	7.37	10.02	1.39	0.96	28.40	14.89	0.39
2000	31.79	40.75	7.92	9.95	1.24	0.91	28.34	14.91	0.35
2100	31.49	40.34	8.33	9.88	1.26	0.88	28.70	14.56	0.35
2200	31.18	40.94	8.79	9.90	1.37	0.91	28.30	14.61	0.30
2300	30.90	40.51	9.15	9.86	1.37	0.89	28.46	14.82	0.31
2400	30.63	40.58	9.53	9.86	1.42	0.89	28.11	14.61	0.28
2500	30.35	40.38	9.85	9.86	1.45	0.88	27.65	14.10	0.32
2600	30.12	39.94	10.12	9.89	1.42	0.88	27.28	14.15	0.32
2700	29.86	40.21	10.38	9.84	1.50	0.88	27.63	14.26	0.32
2800	29.65	39.62	10.59	9.82	1.45	0.87	26.60	13.91	0.32
2900	29.43	39.97	10.77	9.84	1.54	0.88	27.40	13.99	0.34
3000	29.25	39.89	10.97	9.88	1.55	0.88	27.16	14.05	0.38
3100	29.09	39.82	11.14	9.75	1.57	0.87	26.71	13.67	0.33
3200	28.93	39.65	11.30	9.76	1.58	0.87	26.44	13.20	0.38
3300	28.82	39.39	11.40	9.71	1.55	0.87	26.66	13.38	0.34
3400	28.73	39.03	11.43	9.73	1.52	0.86	26.11	13.49	0.37
3500	28.61	39.45	11.37	9.76	1.60	0.87	25.79	13.10	0.38
3600	28.49	39.74	11.23	9.76	1.66	0.88	25.71	12.85	0.40
3700	28.36	38.90	11.22	9.85	1.55	0.87	25.43	12.59	0.37
3800	28.26	39.77	11.08	9.88	1.70	0.89	24.96	12.30	0.39
3900	28.16	39.00	10.99	10.01	1.60	0.88	24.71	12.08	0.35
4000	28.08	38.60	10.84	10.14	1.55	0.88	24.81	12.35	0.38
4100	28.00	38.82	10.72	10.24	1.60	0.89	24.44	12.00	0.39
4200	27.92	39.23	10.57	10.34	1.67	0.90	24.18	11.74	0.40
4300	27.86	38.30	10.36	10.53	1.54	0.90	24.22	11.52	0.41
4400	27.76	38.99	10.27	10.78	1.66	0.92	23.72	11.44	0.44
4500	27.70	38.92	10.10	11.02	1.67	0.92	23.27	11.14	0.44
4600	27.62	38.70	10.00	11.41	1.66	0.93	23.35	11.21	0.44
4700	27.55	39.02	9.88	11.75	1.72	0.95	22.78	10.81	0.44
4800	27.46	38.74	9.77	12.13	1.70	0.95	23.20	10.77	0.45
4900	27.38	39.13	9.70	12.70	1.79	0.97	23.04	10.75	0.46
5000	27.28	38.24	9.63	13.37	1.67	0.96	22.80	10.77	0.47
5100	27.19	38.82	9.60	14.07	1.78	0.99	22.13	10.32	0.52
5200	27.08	38.44	9.58	15.07	1.75	0.99	22.72	10.70	0.54
5300	26.94	38.77	9.64	16.14	1.85	1.00	22.45	10.58	0.54
5400	26.80	38.25	9.74	17.26	1.79	1.00	21.88	10.20	0.53
5500	26.64	38.61	9.84	18.51	1.90	1.01	21.39	9.54	0.55
5600	26.50	38.38	9.99	20.16	1.89	1.02	22.08	10.10	0.57
5700	26.35	38.14	10.15	23.10	1.89	1.02	21.80	9.99	0.58
5800	26.16	38.47	10.36	27.05	2.00	1.03	21.68	9.89	0.62
5900	25.97	38.65	10.63	29.97	2.09	1.03	22.00	10.34	0.64
6000	25.74	38.92	10.94	29.36	2.21	1.03	21.69	10.10	0.66

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.25V, Id = 72mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1000	30.52	51.89	3.51	18.24	3.20	1.42	26.55	14.20	1.24
1100	31.68	53.55	3.61	18.94	3.49	1.41	27.20	14.94	1.00
1200	32.49	51.43	3.83	16.34	2.60	1.36	28.06	15.22	0.90
1300	32.95	48.58	4.21	14.02	1.93	1.28	28.31	15.40	0.78
1400	33.15	45.60	4.70	12.41	1.46	1.19	28.93	15.63	0.68
1500	33.16	44.42	5.28	11.46	1.37	1.11	29.43	16.05	0.60
1600	33.05	43.82	5.85	10.82	1.35	1.05	29.80	16.06	0.51
1700	32.80	45.19	6.47	10.32	1.61	1.04	29.73	15.94	0.46
1800	32.56	43.49	7.07	10.15	1.42	1.00	29.86	15.77	0.44
1900	32.26	42.83	7.61	9.98	1.43	0.95	30.13	15.90	0.40
2000	31.97	41.61	8.15	9.86	1.32	0.92	30.24	15.80	0.35
2100	31.66	41.75	8.58	9.79	1.38	0.92	30.33	15.56	0.36
2200	31.36	41.98	9.05	9.86	1.48	0.92	30.54	15.61	0.30
2300	31.08	40.47	9.38	9.72	1.34	0.87	30.61	15.83	0.32
2400	30.81	40.69	9.75	9.76	1.42	0.88	30.61	15.64	0.28
2500	30.53	40.90	10.15	9.75	1.48	0.89	29.97	15.23	0.29
2600	30.29	40.97	10.33	9.76	1.54	0.89	29.74	15.18	0.32
2700	30.03	40.21	10.63	9.76	1.48	0.87	29.73	15.41	0.34
2800	29.83	40.38	10.77	9.69	1.53	0.88	28.85	15.20	0.33
2900	29.62	39.58	10.96	9.66	1.45	0.86	29.26	15.17	0.35
3000	29.44	39.27	11.13	9.68	1.44	0.86	29.05	15.23	0.38
3100	29.28	40.24	11.33	9.63	1.59	0.88	28.60	14.86	0.33
3200	29.12	40.05	11.53	9.60	1.60	0.87	28.46	14.53	0.39
3300	29.01	39.35	11.56	9.54	1.52	0.85	28.66	14.82	0.35
3400	28.92	38.93	11.55	9.54	1.47	0.85	28.29	14.70	0.37
3500	28.81	39.13	11.48	9.58	1.52	0.86	27.90	14.44	0.39
3600	28.69	39.66	11.38	9.58	1.61	0.87	27.49	14.07	0.41
3700	28.56	39.72	11.35	9.65	1.64	0.88	27.48	13.94	0.36
3800	28.47	38.93	11.22	9.73	1.53	0.87	26.96	13.64	0.36
3900	28.37	39.04	11.09	9.82	1.57	0.87	26.71	13.44	0.36
4000	28.29	39.57	10.94	9.95	1.66	0.89	26.89	13.71	0.38
4100	28.21	38.87	10.81	10.06	1.56	0.89	26.41	13.24	0.37
4200	28.14	39.34	10.64	10.17	1.65	0.90	26.21	12.98	0.39
4300	28.08	38.80	10.40	10.30	1.57	0.90	26.24	12.89	0.40
4400	27.99	39.00	10.29	10.60	1.62	0.91	25.73	12.68	0.43
4500	27.94	38.76	10.13	10.81	1.60	0.91	25.40	12.40	0.45
4600	27.86	38.72	10.00	11.16	1.61	0.93	25.30	12.45	0.44
4700	27.79	38.90	9.88	11.52	1.65	0.94	24.77	12.07	0.44
4800	27.71	38.87	9.77	11.93	1.67	0.95	25.02	11.90	0.43
4900	27.64	38.78	9.68	12.49	1.67	0.96	24.85	11.88	0.44
5000	27.54	39.45	9.56	13.06	1.81	0.98	24.66	11.90	0.47
5100	27.46	38.13	9.53	13.89	1.63	0.97	24.01	11.47	0.50
5200	27.35	38.49	9.49	14.88	1.70	0.99	24.59	11.96	0.52
5300	27.21	38.35	9.51	15.89	1.71	1.00	24.24	11.75	0.53
5400	27.08	38.58	9.63	17.07	1.79	1.01	23.58	11.36	0.53
5500	26.93	38.65	9.72	18.38	1.84	1.01	23.04	10.69	0.55
5600	26.79	38.56	9.86	20.06	1.86	1.02	23.85	11.37	0.54
5700	26.65	38.78	9.98	23.04	1.94	1.03	23.46	11.15	0.58
5800	26.47	38.23	10.17	27.74	1.88	1.02	23.45	11.05	0.62
5900	26.27	38.48	10.45	33.87	1.98	1.03	23.79	11.49	0.61
6000	26.05	38.80	10.74	34.73	2.10	1.03	23.30	11.14	0.65

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.00V, Id = 66mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1000	27.91	50.09	4.34	17.42	4.02	1.34	24.05	13.26	2.42
1100	29.14	49.13	4.22	17.61	3.10	1.34	24.71	13.93	2.06
1200	30.06	48.54	4.19	15.58	2.60	1.32	25.83	14.33	1.83
1300	30.67	47.10	4.30	13.66	2.09	1.28	26.45	14.53	1.63
1400	31.03	46.86	4.51	12.36	1.97	1.25	27.14	14.90	1.49
1500	31.19	45.31	4.85	11.46	1.69	1.19	27.54	15.20	1.35
1600	31.22	43.98	5.21	10.92	1.51	1.14	27.85	15.32	1.24
1700	31.09	43.47	5.71	10.57	1.52	1.10	27.76	15.21	1.15
1800	30.94	42.35	6.20	10.40	1.42	1.05	27.97	15.25	1.09
1900	30.72	42.18	6.67	10.34	1.48	1.03	28.19	15.42	1.03
2000	30.50	41.45	7.16	10.37	1.44	1.00	28.14	15.40	0.97
2100	30.24	40.52	7.59	10.40	1.39	0.97	28.39	15.21	0.97
2200	29.98	40.01	8.07	10.56	1.38	0.95	27.99	15.20	0.89
2300	29.73	41.15	8.47	10.61	1.61	0.96	28.19	15.46	0.91
2400	29.48	40.62	8.81	10.69	1.59	0.95	27.71	15.38	0.86
2500	29.22	39.54	9.18	10.80	1.49	0.93	27.58	15.02	0.87
2600	28.99	39.35	9.49	10.95	1.50	0.93	27.30	14.96	0.90
2700	28.74	39.15	9.78	11.01	1.53	0.92	26.73	15.05	0.92
2800	28.54	39.54	9.99	11.08	1.63	0.92	27.27	14.88	0.93
2900	28.33	38.78	10.18	11.11	1.55	0.91	27.37	14.98	0.92
3000	28.16	38.97	10.40	11.24	1.62	0.92	27.12	14.91	0.97
3100	28.00	38.83	10.61	11.29	1.62	0.92	26.78	14.66	0.91
3200	27.84	38.87	10.73	11.38	1.67	0.92	26.55	14.21	0.96
3300	27.71	39.46	10.81	11.42	1.79	0.93	26.69	14.47	0.94
3400	27.59	39.29	10.83	11.52	1.78	0.93	26.10	14.45	0.97
3500	27.46	38.45	10.80	11.61	1.67	0.92	25.80	14.18	1.01
3600	27.33	38.53	10.75	11.71	1.71	0.93	25.73	13.80	1.01
3700	27.19	38.67	10.75	11.89	1.76	0.93	25.42	13.65	1.00
3800	27.09	39.07	10.65	12.05	1.84	0.95	25.00	13.34	1.00
3900	26.97	38.72	10.60	12.28	1.81	0.95	24.93	13.11	0.99
4000	26.88	39.14	10.58	12.54	1.90	0.96	24.88	13.26	1.02
4100	26.78	39.03	10.51	12.82	1.91	0.96	24.48	12.89	1.05
4200	26.69	38.47	10.43	13.16	1.83	0.96	24.22	12.65	1.06
4300	26.60	38.23	10.31	13.54	1.80	0.97	24.17	12.51	1.08
4400	26.48	38.79	10.31	13.97	1.94	0.98	23.78	12.26	1.13
4500	26.40	39.34	10.21	14.54	2.08	0.99	23.32	11.95	1.14
4600	26.28	38.59	10.22	15.15	1.96	0.99	23.42	11.97	1.15
4700	26.18	38.80	10.24	15.80	2.03	1.00	22.85	11.54	1.17
4800	26.05	38.16	10.22	16.57	1.93	1.00	23.25	11.62	1.19
4900	25.94	38.55	10.22	17.52	2.04	1.01	23.05	11.55	1.20
5000	25.79	38.53	10.27	18.60	2.08	1.01	22.77	11.40	1.24
5100	25.65	38.66	10.34	19.83	2.14	1.02	22.17	10.90	1.29
5200	25.48	38.53	10.45	21.33	2.16	1.02	22.73	11.47	1.34
5300	25.30	38.76	10.60	22.62	2.26	1.03	22.47	11.21	1.37
5400	25.11	38.81	10.81	23.50	2.33	1.03	21.93	10.77	1.36
5500	24.92	39.64	10.99	23.69	2.60	1.03	21.42	10.23	1.41
5600	24.73	39.03	11.24	23.88	2.50	1.03	22.08	10.77	1.43
5700	24.51	38.84	11.53	22.74	2.51	1.02	21.78	10.59	1.46
5800	24.29	39.62	11.88	20.80	2.80	1.02	21.70	10.36	1.54
5900	24.05	39.17	12.35	19.31	2.75	1.01	22.06	10.73	1.55
6000	23.80	39.17	12.79	17.80	2.82	1.01	21.63	10.46	1.60

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 4.75V, Id = 63mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1000	27.69	50.64	4.30	17.48	4.34	1.35	23.45	12.70	2.41
1100	28.94	50.82	4.16	17.64	3.80	1.35	24.15	13.51	2.07
1200	29.87	48.05	4.12	15.60	2.48	1.33	25.39	13.90	1.81
1300	30.49	47.41	4.21	13.69	2.17	1.30	25.90	14.11	1.63
1400	30.86	45.42	4.43	12.37	1.74	1.23	26.44	14.36	1.47
1500	31.03	43.46	4.76	11.49	1.44	1.17	26.92	14.67	1.35
1600	31.07	43.26	5.12	10.96	1.42	1.14	27.36	14.90	1.21
1700	30.95	42.99	5.61	10.63	1.46	1.10	27.19	14.79	1.13
1800	30.80	42.29	6.09	10.47	1.43	1.06	27.46	14.71	1.10
1900	30.58	40.59	6.55	10.46	1.28	1.01	27.71	14.88	1.03
2000	30.36	41.30	7.02	10.47	1.44	1.00	27.52	14.86	0.96
2100	30.11	41.67	7.45	10.48	1.54	1.01	27.63	14.68	0.97
2200	29.84	40.54	7.92	10.67	1.47	0.97	27.33	14.78	0.89
2300	29.59	40.12	8.32	10.69	1.48	0.95	27.72	14.92	0.91
2400	29.34	39.76	8.69	10.81	1.49	0.94	27.37	14.83	0.88
2500	29.08	39.58	9.12	10.94	1.52	0.93	26.78	14.48	0.88
2600	28.85	39.02	9.38	11.05	1.48	0.92	26.72	14.42	0.91
2700	28.60	39.47	9.67	11.13	1.59	0.94	26.88	14.63	0.91
2800	28.40	39.57	9.92	11.23	1.65	0.94	26.32	14.34	0.92
2900	28.19	38.87	10.12	11.33	1.60	0.92	26.62	14.55	0.93
3000	28.01	39.82	10.36	11.48	1.78	0.94	26.50	14.36	0.97
3100	27.85	39.53	10.50	11.47	1.77	0.93	26.21	14.10	0.93
3200	27.68	38.88	10.69	11.59	1.70	0.93	25.81	13.90	0.98
3300	27.55	39.39	10.74	11.63	1.81	0.93	25.93	13.92	0.95
3400	27.43	39.14	10.77	11.70	1.79	0.94	25.52	14.02	0.97
3500	27.30	38.27	10.77	11.82	1.67	0.93	25.12	13.62	0.99
3600	27.16	38.78	10.71	11.93	1.79	0.93	24.98	13.24	1.02
3700	27.03	38.80	10.72	12.14	1.82	0.94	24.81	13.08	1.00
3800	26.92	38.85	10.63	12.33	1.84	0.95	24.27	12.78	1.00
3900	26.80	38.56	10.63	12.56	1.82	0.95	24.18	12.55	0.99
4000	26.70	39.17	10.58	12.78	1.95	0.96	24.21	12.81	1.03
4100	26.60	37.96	10.50	13.07	1.76	0.95	23.78	12.32	1.06
4200	26.50	39.19	10.46	13.39	2.01	0.97	23.46	12.08	1.06
4300	26.41	39.13	10.39	13.76	2.02	0.98	23.57	11.93	1.09
4400	26.29	38.64	10.38	14.26	1.97	0.98	23.00	11.68	1.14
4500	26.19	39.35	10.27	14.75	2.13	1.00	22.58	11.36	1.14
4600	26.07	39.06	10.29	15.39	2.10	1.00	22.65	11.50	1.16
4700	25.96	38.62	10.29	16.04	2.04	1.00	22.10	11.07	1.17
4800	25.83	38.83	10.35	16.84	2.12	1.01	22.51	11.03	1.20
4900	25.71	38.88	10.32	17.76	2.17	1.02	22.33	11.07	1.21
5000	25.56	38.45	10.36	18.72	2.12	1.01	22.09	10.91	1.26
5100	25.41	38.68	10.48	19.86	2.21	1.02	21.44	10.41	1.32
5200	25.25	38.54	10.59	20.98	2.22	1.02	22.02	10.87	1.34
5300	25.06	38.86	10.73	22.08	2.35	1.03	21.77	10.61	1.36
5400	24.87	38.74	10.96	22.37	2.38	1.02	21.20	10.29	1.38
5500	24.67	38.73	11.21	22.37	2.44	1.02	20.70	9.63	1.41
5600	24.48	38.73	11.40	22.39	2.49	1.02	21.45	10.18	1.43
5700	24.26	39.14	11.71	21.48	2.67	1.02	21.15	10.00	1.48
5800	24.03	39.04	12.06	19.87	2.71	1.02	21.09	9.77	1.54
5900	23.80	39.78	12.53	18.57	3.02	1.01	21.34	10.26	1.55
6000	23.54	39.59	13.03	17.29	3.04	1.00	21.01	10.00	1.60

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.25V, Id = 69mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
1000	28.09	50.61	4.38	17.38	4.20	1.34	24.64	13.64	2.40
1100	29.32	51.75	4.27	17.54	4.11	1.34	25.28	14.42	2.06
1200	30.23	50.29	4.25	15.56	3.10	1.33	26.26	14.80	1.81
1300	30.83	47.39	4.37	13.64	2.13	1.28	26.79	15.00	1.63
1400	31.18	46.90	4.61	12.34	1.98	1.24	27.38	15.35	1.47
1500	31.33	46.27	4.94	11.45	1.87	1.19	27.91	15.66	1.34
1600	31.35	43.72	5.32	10.87	1.48	1.12	28.21	15.88	1.23
1700	31.22	43.07	5.82	10.52	1.46	1.07	28.09	15.77	1.14
1800	31.07	43.27	6.30	10.37	1.55	1.06	28.33	15.68	1.08
1900	30.84	41.63	6.76	10.33	1.41	1.00	28.72	15.86	1.02
2000	30.61	41.50	7.25	10.28	1.44	0.99	28.66	15.96	0.96
2100	30.36	39.96	7.69	10.32	1.31	0.94	28.99	15.65	0.96
2200	30.09	40.35	8.15	10.46	1.43	0.94	28.40	15.64	0.89
2300	29.84	40.02	8.53	10.48	1.43	0.93	28.62	16.01	0.89
2400	29.59	40.04	8.91	10.58	1.49	0.93	28.36	15.81	0.85
2500	29.34	40.15	9.29	10.69	1.56	0.93	28.15	15.46	0.88
2600	29.11	40.16	9.60	10.78	1.60	0.94	27.79	15.40	0.91
2700	28.86	39.51	9.87	10.86	1.57	0.92	28.21	15.62	0.91
2800	28.66	40.21	10.07	10.93	1.71	0.93	27.32	15.33	0.91
2900	28.45	39.24	10.30	11.01	1.60	0.92	27.99	15.55	0.91
3000	28.28	39.12	10.48	11.09	1.62	0.92	27.79	15.37	0.96
3100	28.13	39.16	10.67	11.10	1.65	0.92	27.49	15.10	0.93
3200	27.96	39.80	10.82	11.18	1.80	0.93	27.07	14.78	0.97
3300	27.83	39.74	10.84	11.26	1.81	0.93	27.27	14.93	0.92
3400	27.72	39.11	10.87	11.31	1.73	0.92	26.91	14.91	0.96
3500	27.59	38.87	10.85	11.43	1.71	0.92	26.55	14.63	0.98
3600	27.47	39.56	10.81	11.54	1.86	0.94	26.42	14.38	1.01
3700	27.33	38.10	10.80	11.72	1.64	0.92	26.19	14.11	0.98
3800	27.23	39.27	10.66	11.90	1.86	0.94	25.76	13.81	1.00
3900	27.12	38.36	10.67	12.11	1.72	0.93	25.54	13.47	0.98
4000	27.03	39.07	10.57	12.34	1.86	0.95	25.65	13.74	1.01
4100	26.93	38.81	10.53	12.62	1.84	0.95	25.24	13.48	1.04
4200	26.84	38.27	10.39	12.94	1.76	0.95	24.91	13.25	1.05
4300	26.76	38.82	10.31	13.32	1.88	0.97	25.00	12.99	1.07
4400	26.65	38.99	10.27	13.74	1.94	0.98	24.48	12.75	1.12
4500	26.56	38.11	10.23	14.23	1.80	0.97	23.98	12.44	1.13
4600	26.45	39.01	10.16	14.90	1.99	1.00	24.09	12.47	1.13
4700	26.35	38.59	10.17	15.61	1.94	1.00	23.54	12.15	1.16
4800	26.23	38.95	10.21	16.41	2.05	1.01	23.88	12.12	1.18
4900	26.12	38.55	10.16	17.43	2.00	1.01	23.70	12.05	1.20
5000	25.97	38.31	10.15	18.51	1.99	1.01	23.45	11.91	1.24
5100	25.84	38.69	10.24	19.89	2.10	1.02	22.80	11.41	1.28
5200	25.68	38.36	10.31	21.46	2.07	1.02	23.45	11.87	1.32
5300	25.50	38.42	10.47	23.08	2.14	1.02	23.16	11.72	1.33
5400	25.32	38.41	10.68	24.35	2.18	1.02	22.54	11.28	1.35
5500	25.12	38.70	10.91	24.99	2.31	1.03	22.08	10.74	1.39
5600	24.93	38.66	11.06	25.22	2.35	1.03	22.78	11.16	1.41
5700	24.72	39.05	11.38	23.80	2.51	1.03	22.47	11.11	1.45
5800	24.49	39.92	11.74	21.58	2.83	1.03	22.33	10.87	1.51
5900	24.26	39.00	12.18	19.90	2.63	1.01	22.69	11.36	1.53
6000	24.01	38.82	12.62	18.30	2.65	1.01	22.26	10.98	1.58