

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 = 103.96mA @ 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)
20	15.52	24.35	39.26	17.21	1.54	0.85	43.29	19.46	6.66
40	15.51	24.35	38.02	17.20	1.54	0.85	43.14	20.21	6.45
60	15.50	24.32	37.99	17.19	1.54	0.85	45.67	20.31	6.46
80	15.50	24.33	36.94	17.19	1.54	0.85	41.59	20.31	6.46
100	15.50	24.33	36.46	17.15	1.54	0.85	42.55	20.21	6.44
200	15.47	24.33	32.84	16.97	1.54	0.85	42.13	20.34	6.44
300	15.44	24.30	29.96	16.65	1.54	0.85	41.39	20.45	6.60
400	15.40	24.28	27.52	16.26	1.53	0.85	42.55	20.38	6.45
500	15.36	24.25	25.89	15.83	1.53	0.85	40.15	20.49	6.50
600	15.31	24.22	24.50	15.34	1.52	0.85	41.07	20.48	6.50
700	15.25	24.17	23.19	14.83	1.52	0.85	40.40	20.42	6.50
800	15.19	24.12	22.17	14.35	1.51	0.85	38.99	20.42	6.53
900	15.12	24.06	21.30	13.87	1.50	0.85	38.99	20.28	6.52
1000	15.04	24.00	20.43	13.40	1.49	0.85	38.53	20.41	6.57
1100	14.96	23.94	19.73	12.98	1.48	0.85	38.32	20.33	6.60
1200	14.87	23.87	19.07	12.57	1.47	0.85	37.75	20.27	6.60
1250	14.83	23.83	18.81	12.38	1.47	0.84	38.11	20.26	6.61
1500	14.59	23.64	17.55	11.52	1.44	0.84	38.13	20.28	6.63
1750	14.34	23.43	16.63	10.83	1.42	0.84	37.23	20.17	6.66
2000	14.08	23.21	15.87	10.27	1.39	0.84	36.06	20.29	6.68
2250	13.81	22.99	15.35	9.85	1.38	0.84	35.79	20.24	6.73
2500	13.53	22.77	14.96	9.53	1.36	0.84	35.21	20.23	6.70
2750	13.27	22.55	14.65	9.29	1.35	0.84	34.57	20.17	6.82
3000	13.00	22.33	14.43	9.12	1.35	0.83	34.59	20.44	6.91
3250	12.75	22.10	14.30	9.05	1.34	0.84	34.64	20.38	6.90
3500	12.49	21.89	14.24	9.00	1.34	0.84	34.81	20.21	6.92
3750	12.25	21.67	14.30	9.01	1.35	0.84	33.77	20.12	6.96
4000	12.02	21.45	14.43	9.03	1.35	0.84	33.72	20.15	6.97
4250	11.78	21.25	14.66	9.08	1.36	0.84	33.42	20.26	6.96
4500	11.54	21.06	14.98	9.18	1.38	0.84	32.82	20.10	7.02
4750	11.32	20.87	15.32	9.31	1.40	0.84	32.31	19.99	7.09
5000	11.08	20.71	15.73	9.37	1.41	0.84	31.79	19.89	7.16
5250	10.84	20.54	16.11	9.45	1.43	0.84	31.81	19.75	7.13
5500	10.60	20.40	16.31	9.53	1.45	0.84	31.27	19.41	7.13
5750	10.34	20.30	16.41	9.59	1.48	0.84	31.28	19.25	7.22
6000	10.08	20.20	16.40	9.62	1.51	0.84	30.76	19.05	7.29
6250	9.81	20.12	16.20	9.61	1.54	0.84	30.86	18.86	7.33
6500	9.53	20.05	15.79	9.51	1.57	0.84	30.46	18.67	7.41
6750	9.24	19.99	15.19	9.39	1.60	0.84	30.63	18.38	7.42
7000	8.94	19.95	14.66	9.27	1.63	0.84	30.07	18.20	7.49

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 = 94.72mA @ 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)
20	15.49	24.30	37.29	17.05	1.53	0.85	38.30	18.70	6.52
40	15.48	24.30	36.09	17.04	1.54	0.85	41.13	19.42	6.35
60	15.47	24.27	36.34	17.03	1.53	0.85	42.50	19.52	6.39
80	15.47	24.28	35.39	17.03	1.53	0.85	39.59	19.51	6.34
100	15.47	24.28	35.04	17.00	1.53	0.85	40.30	19.42	6.34
200	15.45	24.27	32.04	16.81	1.53	0.85	39.56	19.53	6.33
300	15.41	24.25	29.47	16.51	1.53	0.85	38.90	19.64	6.37
400	15.38	24.23	27.33	16.12	1.53	0.85	41.52	19.58	6.36
500	15.33	24.20	25.71	15.70	1.52	0.85	38.64	19.67	6.35
600	15.28	24.16	24.35	15.22	1.52	0.85	37.98	19.66	6.41
700	15.23	24.12	23.08	14.72	1.51	0.85	38.77	19.61	6.37
800	15.16	24.06	22.02	14.24	1.50	0.85	37.81	19.60	6.38
900	15.09	24.00	21.12	13.76	1.49	0.85	38.30	19.48	6.44
1000	15.01	23.94	20.29	13.31	1.48	0.84	37.15	19.59	6.47
1100	14.93	23.87	19.59	12.88	1.47	0.84	36.48	19.52	6.51
1200	14.84	23.80	18.93	12.48	1.46	0.84	36.78	19.46	6.51
1250	14.80	23.76	18.67	12.29	1.46	0.84	37.06	19.45	6.47
1500	14.56	23.56	17.45	11.44	1.43	0.84	35.89	19.47	6.55
1750	14.31	23.35	16.53	10.76	1.41	0.84	35.37	19.37	6.53
2000	14.04	23.13	15.78	10.21	1.39	0.84	34.60	19.48	6.61
2250	13.77	22.90	15.25	9.80	1.37	0.84	35.16	19.42	6.60
2500	13.49	22.68	14.86	9.48	1.35	0.83	34.60	19.41	6.55
2750	13.23	22.46	14.58	9.24	1.34	0.83	33.99	19.40	6.71
3000	12.96	22.23	14.36	9.09	1.34	0.83	33.56	19.58	6.80
3250	12.70	22.01	14.23	9.01	1.34	0.83	33.67	19.51	6.71
3500	12.45	21.79	14.17	8.98	1.34	0.84	33.91	19.35	6.80
3750	12.20	21.58	14.24	8.99	1.34	0.84	33.15	19.32	6.82
4000	11.97	21.36	14.38	9.01	1.35	0.84	32.76	19.39	6.83
4250	11.73	21.16	14.61	9.06	1.36	0.83	32.83	19.41	6.85
4500	11.49	20.97	14.93	9.17	1.37	0.84	32.27	19.35	6.91
4750	11.27	20.78	15.26	9.30	1.39	0.84	31.82	19.29	6.94
5000	11.03	20.61	15.68	9.37	1.41	0.84	31.30	19.28	7.01
5250	10.79	20.45	16.04	9.44	1.43	0.83	31.08	19.16	7.00
5500	10.55	20.32	16.26	9.53	1.45	0.84	30.78	18.84	7.06
5750	10.28	20.21	16.37	9.59	1.48	0.84	30.63	18.68	7.06
6000	10.03	20.12	16.35	9.63	1.51	0.84	30.26	18.53	7.15
6250	9.76	20.04	16.18	9.61	1.54	0.84	30.26	18.36	7.16
6500	9.48	19.97	15.73	9.52	1.57	0.84	30.01	18.20	7.28
6750	9.18	19.91	15.19	9.41	1.60	0.84	30.25	17.89	7.29
7000	8.89	19.88	14.63	9.28	1.63	0.84	29.72	17.81	7.36

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 = 113.84mA @ 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)
20	15.54	24.39	42.60	17.34	1.54	0.85	46.65	20.20	6.76
40	15.53	24.39	39.73	17.34	1.54	0.85	42.10	20.96	6.55
60	15.52	24.37	39.98	17.34	1.54	0.85	45.58	21.09	6.58
80	15.52	24.37	38.50	17.33	1.54	0.85	45.57	21.08	6.57
100	15.52	24.37	37.96	17.30	1.54	0.85	44.50	20.97	6.57
200	15.50	24.37	33.48	17.10	1.54	0.85	44.04	21.11	6.55
300	15.46	24.35	30.20	16.78	1.54	0.85	45.13	21.24	6.62
400	15.43	24.32	27.81	16.37	1.54	0.85	45.38	21.16	6.54
500	15.38	24.30	26.05	15.94	1.53	0.85	44.30	21.28	6.56
600	15.34	24.26	24.67	15.45	1.53	0.85	41.56	21.26	6.63
700	15.28	24.22	23.36	14.93	1.52	0.85	40.00	21.21	6.59
800	15.22	24.17	22.30	14.44	1.51	0.85	40.24	21.22	6.64
900	15.15	24.11	21.34	13.95	1.50	0.85	40.64	21.05	6.64
1000	15.07	24.05	20.55	13.48	1.49	0.85	39.40	21.19	6.71
1100	14.99	23.99	19.84	13.05	1.49	0.85	40.19	21.11	6.71
1200	14.90	23.92	19.14	12.64	1.48	0.85	39.47	21.05	6.71
1250	14.86	23.89	18.89	12.45	1.47	0.85	39.79	21.04	6.71
1500	14.62	23.70	17.62	11.57	1.45	0.84	38.51	21.06	6.76
1750	14.38	23.49	16.71	10.88	1.42	0.84	38.73	20.95	6.77
2000	14.11	23.28	15.94	10.32	1.40	0.84	37.83	21.06	6.84
2250	13.84	23.05	15.40	9.89	1.38	0.84	37.24	21.04	6.82
2500	13.57	22.84	15.02	9.57	1.37	0.84	36.60	21.04	6.83
2750	13.31	22.62	14.69	9.31	1.36	0.84	35.88	20.92	6.93
3000	13.05	22.40	14.49	9.15	1.35	0.84	35.46	21.24	7.02
3250	12.79	22.17	14.35	9.07	1.35	0.84	35.35	21.19	6.96
3500	12.54	21.96	14.27	9.02	1.35	0.84	35.09	21.03	7.07
3750	12.29	21.74	14.32	9.03	1.35	0.84	34.41	20.88	7.09
4000	12.06	21.53	14.48	9.04	1.36	0.84	33.93	20.84	7.10
4250	11.83	21.32	14.69	9.08	1.37	0.84	33.44	21.02	7.11
4500	11.59	21.13	15.00	9.19	1.38	0.84	33.11	20.75	7.15
4750	11.36	20.94	15.35	9.31	1.40	0.84	32.53	20.62	7.19
5000	11.13	20.78	15.73	9.37	1.42	0.84	32.00	20.43	7.27
5250	10.88	20.61	16.11	9.44	1.44	0.84	32.09	20.32	7.28
5500	10.64	20.47	16.30	9.52	1.46	0.84	31.51	19.90	7.28
5750	10.38	20.36	16.41	9.58	1.49	0.84	31.58	19.70	7.35
6000	10.12	20.26	16.38	9.61	1.51	0.84	30.96	19.52	7.40
6250	9.85	20.18	16.20	9.60	1.54	0.84	31.00	19.31	7.46
6500	9.57	20.11	15.75	9.50	1.57	0.84	30.58	19.10	7.57
6750	9.28	20.04	15.17	9.38	1.60	0.84	30.61	18.81	7.55
7000	8.98	20.01	14.62	9.26	1.64	0.84	30.28	18.61	7.66

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 = 5.00V, Id = 98.81mA @ 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)
20	15.57	24.41	38.29	17.04	1.54	0.85	44.19	19.24	5.93
40	15.56	24.41	34.36	16.83	1.54	0.85	46.84	19.97	5.73
60	15.55	24.39	33.57	16.60	1.54	0.85	43.73	20.06	5.77
80	15.54	24.39	31.77	16.42	1.54	0.85	42.12	20.06	5.74
100	15.54	24.40	31.53	16.31	1.54	0.84	44.38	19.97	5.76
200	15.53	24.38	32.09	16.57	1.54	0.85	42.39	20.08	5.72
300	15.50	24.35	29.73	16.26	1.53	0.85	45.40	20.19	5.83
400	15.48	24.31	27.76	16.29	1.53	0.85	47.57	20.15	5.72
500	15.44	24.28	26.56	15.72	1.52	0.85	41.99	20.24	5.68
600	15.39	24.24	24.45	15.43	1.52	0.85	41.36	20.23	5.81
700	15.34	24.19	23.31	14.80	1.51	0.85	42.13	20.19	5.76
800	15.27	24.13	21.89	14.32	1.50	0.85	40.54	20.18	5.79
900	15.20	24.07	21.14	13.78	1.49	0.84	39.66	20.06	5.79
1000	15.13	24.00	20.13	13.45	1.48	0.85	39.11	20.19	5.84
1100	15.05	23.93	19.54	12.99	1.47	0.84	38.60	20.13	5.88
1200	14.97	23.85	18.99	12.66	1.46	0.84	38.26	20.09	5.86
1250	14.93	23.81	18.77	12.48	1.45	0.84	38.42	20.05	5.86
1500	14.70	23.60	17.61	11.60	1.42	0.84	37.23	20.10	5.89
1750	14.45	23.39	16.76	10.86	1.40	0.84	37.11	20.03	5.88
2000	14.19	23.16	16.03	10.32	1.38	0.83	36.42	20.11	5.94
2250	13.92	22.93	15.60	9.85	1.36	0.83	36.05	20.04	5.95
2500	13.66	22.70	15.02	9.62	1.34	0.83	36.58	20.02	5.94
2750	13.38	22.51	14.60	9.28	1.33	0.83	35.16	20.02	6.08
3000	13.09	22.30	14.20	9.02	1.32	0.83	35.09	20.16	6.15
3250	12.85	22.08	13.92	8.95	1.32	0.84	35.49	20.06	6.09
3500	12.62	21.84	14.07	8.90	1.32	0.83	35.14	19.99	6.11
3750	12.40	21.61	14.26	8.86	1.32	0.83	34.64	20.00	6.16
4000	12.19	21.38	14.64	8.81	1.32	0.82	34.06	20.13	6.12
4250	12.00	21.14	15.00	8.94	1.32	0.82	34.72	20.00	6.15
4500	11.80	20.92	15.27	9.14	1.33	0.82	34.06	20.02	6.22
4750	11.60	20.72	15.42	9.35	1.35	0.83	33.36	20.06	6.19
5000	11.39	20.54	16.12	9.33	1.36	0.82	32.99	20.17	6.28
5250	11.16	20.37	16.61	9.36	1.37	0.82	33.13	19.94	6.30
5500	10.94	20.23	17.21	9.31	1.39	0.81	32.37	19.80	6.25
5750	10.67	20.14	16.89	9.24	1.41	0.81	32.30	19.52	6.33
6000	10.39	20.08	16.19	9.10	1.44	0.81	32.09	19.47	6.44
6250	10.12	20.03	15.69	9.00	1.46	0.82	31.93	19.26	6.47
6500	9.82	19.98	15.32	8.75	1.49	0.81	31.93	19.05	6.51
6750	9.53	19.93	14.68	8.64	1.51	0.81	31.54	18.65	6.56
7000	9.27	19.87	14.29	8.57	1.54	0.82	31.46	18.64	6.62

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 = 89.87mA @ 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)			(dBm)	(dBm)	(dB)
20	15.55	24.37	36.06	16.89	1.54	0.85	45.42	18.43	5.85
40	15.53	24.36	33.28	16.68	1.54	0.85	42.21	19.13	5.62
60	15.52	24.34	32.34	16.46	1.53	0.84	44.47	19.20	5.68
80	15.51	24.35	30.91	16.28	1.53	0.84	39.75	19.21	5.62
100	15.51	24.35	30.56	16.17	1.53	0.84	40.55	19.12	5.63
200	15.50	24.32	31.17	16.43	1.53	0.85	40.89	19.22	5.60
300	15.47	24.30	29.02	16.12	1.53	0.84	39.25	19.31	5.64
400	15.45	24.26	27.39	16.15	1.52	0.85	40.18	19.27	5.64
500	15.40	24.22	26.24	15.60	1.52	0.85	40.68	19.34	5.65
600	15.36	24.18	24.25	15.31	1.51	0.85	38.95	19.34	5.67
700	15.30	24.13	23.15	14.69	1.50	0.85	38.23	19.29	5.68
800	15.24	24.07	21.71	14.22	1.49	0.85	38.12	19.29	5.68
900	15.17	24.01	20.97	13.68	1.48	0.84	37.32	19.20	5.69
1000	15.09	23.94	19.96	13.35	1.47	0.84	37.81	19.28	5.73
1100	15.01	23.87	19.39	12.89	1.46	0.84	37.70	19.24	5.75
1200	14.93	23.78	18.85	12.57	1.45	0.84	36.91	19.20	5.74
1250	14.89	23.74	18.64	12.39	1.44	0.84	36.58	19.18	5.73
1500	14.66	23.53	17.46	11.52	1.42	0.84	36.25	19.20	5.79
1750	14.41	23.31	16.63	10.79	1.39	0.83	35.89	19.15	5.82
2000	14.14	23.08	15.92	10.25	1.37	0.83	34.83	19.20	5.85
2250	13.87	22.85	15.47	9.79	1.35	0.83	35.44	19.13	5.84
2500	13.61	22.61	14.94	9.57	1.33	0.83	35.14	19.11	5.83
2750	13.33	22.41	14.52	9.23	1.32	0.83	33.79	19.18	5.97
3000	13.04	22.21	14.14	8.98	1.31	0.83	33.99	19.20	6.02
3250	12.79	21.98	13.84	8.91	1.31	0.83	34.52	19.06	5.98
3500	12.56	21.74	14.02	8.87	1.31	0.83	34.11	19.05	6.01
3750	12.33	21.51	14.22	8.83	1.31	0.83	33.36	19.12	6.06
4000	12.13	21.28	14.55	8.79	1.31	0.82	33.27	19.29	6.01
4250	11.93	21.04	14.94	8.92	1.32	0.82	33.52	18.99	6.03
4500	11.73	20.83	15.22	9.13	1.33	0.82	32.88	19.14	6.09
4750	11.53	20.63	15.35	9.34	1.34	0.83	32.42	19.22	6.10
5000	11.32	20.45	16.06	9.32	1.35	0.82	32.15	19.33	6.20
5250	11.09	20.28	16.54	9.35	1.37	0.82	32.15	19.16	6.15
5500	10.87	20.14	17.14	9.31	1.39	0.81	31.39	19.16	6.19
5750	10.60	20.05	16.84	9.23	1.41	0.81	31.37	18.91	6.23
6000	10.32	20.00	16.15	9.09	1.43	0.81	31.06	18.92	6.30
6250	10.04	19.94	15.66	9.00	1.46	0.81	31.02	18.70	6.33
6500	9.75	19.90	15.27	8.76	1.48	0.81	30.93	18.49	6.40
6750	9.46	19.86	14.65	8.64	1.51	0.81	30.92	18.14	6.44
7000	9.19	19.80	14.28	8.58	1.54	0.82	30.56	18.11	6.51

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 = 107.88mA @ 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)
20	15.60	24.45	40.09	17.16	1.54	0.85	44.52	19.98	6.02
40	15.59	24.45	35.48	16.95	1.54	0.85	39.50	20.71	5.85
60	15.57	24.43	34.52	16.73	1.54	0.85	45.02	20.83	5.89
80	15.57	24.43	32.76	16.55	1.54	0.85	44.29	20.83	5.84
100	15.57	24.43	32.30	16.43	1.54	0.85	43.55	20.73	5.82
200	15.56	24.42	32.76	16.69	1.54	0.85	46.05	20.86	5.82
300	15.53	24.39	30.10	16.37	1.54	0.85	43.74	20.98	5.83
400	15.50	24.36	28.02	16.40	1.53	0.85	50.51	20.92	5.83
500	15.46	24.32	26.77	15.83	1.53	0.85	42.97	21.03	5.85
600	15.42	24.28	24.59	15.53	1.52	0.85	43.58	21.02	5.89
700	15.36	24.24	23.45	14.90	1.51	0.85	40.84	20.98	5.86
800	15.30	24.18	22.00	14.42	1.50	0.85	41.80	20.98	5.90
900	15.23	24.12	21.28	13.87	1.49	0.85	42.84	20.84	5.89
1000	15.16	24.05	20.19	13.54	1.48	0.85	41.81	20.99	5.87
1100	15.08	23.99	19.67	13.07	1.47	0.84	41.22	20.92	5.93
1200	15.01	23.91	19.06	12.74	1.46	0.84	39.38	20.87	5.95
1250	14.97	23.87	18.88	12.56	1.46	0.84	40.37	20.84	5.98
1500	14.73	23.67	17.69	11.67	1.43	0.84	39.30	20.87	5.99
1750	14.49	23.46	16.83	10.92	1.41	0.84	38.26	20.81	6.00
2000	14.23	23.23	16.13	10.38	1.38	0.84	38.51	20.92	6.05
2250	13.96	23.01	15.67	9.90	1.36	0.83	38.20	20.85	6.08
2500	13.70	22.78	15.08	9.67	1.35	0.83	38.01	20.82	6.07
2750	13.43	22.58	14.67	9.33	1.34	0.83	37.01	20.79	6.19
3000	13.14	22.39	14.27	9.06	1.33	0.83	36.34	21.00	6.24
3250	12.89	22.17	13.98	8.98	1.33	0.84	36.55	20.91	6.20
3500	12.67	21.92	14.13	8.93	1.32	0.83	36.59	20.81	6.24
3750	12.44	21.70	14.33	8.88	1.32	0.83	35.55	20.77	6.23
4000	12.24	21.46	14.70	8.84	1.32	0.82	35.18	20.88	6.23
4250	12.05	21.23	15.06	8.96	1.33	0.82	35.37	20.83	6.26
4500	11.85	21.01	15.31	9.16	1.34	0.82	34.87	20.77	6.28
4750	11.65	20.81	15.49	9.37	1.35	0.83	34.28	20.74	6.33
5000	11.44	20.62	16.18	9.34	1.36	0.82	33.67	20.85	6.37
5250	11.21	20.46	16.66	9.37	1.38	0.82	33.63	20.61	6.39
5500	11.00	20.31	17.26	9.33	1.39	0.81	33.07	20.37	6.40
5750	10.73	20.22	16.95	9.26	1.42	0.81	32.90	20.06	6.47
6000	10.45	20.16	16.26	9.11	1.44	0.81	32.74	20.01	6.52
6250	10.17	20.10	15.74	9.01	1.46	0.82	32.54	19.76	6.56
6500	9.89	20.05	15.35	8.76	1.49	0.81	32.56	19.54	6.62
6750	9.59	20.00	14.74	8.64	1.51	0.81	32.33	19.14	6.69
7000	9.33	19.95	14.32	8.57	1.54	0.82	32.15	19.09	6.75

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 = 108.52mA @ 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)
20	15.45	24.27	40.38	17.31	1.54	0.85	37.54	19.62	7.21
40	15.45	24.27	40.42	17.45	1.54	0.85	43.49	20.38	7.03
60	15.44	24.25	44.40	17.62	1.54	0.85	49.00	20.50	7.06
80	15.44	24.25	44.53	17.81	1.54	0.85	41.49	20.49	7.03
100	15.44	24.25	43.02	17.96	1.54	0.85	42.48	20.37	7.06
200	15.41	24.25	33.22	17.65	1.54	0.85	44.09	20.51	7.05
300	15.37	24.24	29.48	16.94	1.54	0.85	43.13	20.65	7.11
400	15.33	24.22	27.15	16.48	1.53	0.85	41.47	20.55	7.03
500	15.28	24.19	25.28	15.93	1.53	0.85	40.98	20.65	7.09
600	15.23	24.17	23.83	15.24	1.53	0.85	39.99	20.65	7.09
700	15.17	24.13	22.65	14.63	1.52	0.85	39.06	20.57	7.07
800	15.09	24.08	21.67	14.10	1.51	0.85	38.94	20.58	7.13
900	15.02	24.03	20.83	13.53	1.50	0.85	38.46	20.42	7.12
1000	14.94	23.97	20.07	13.04	1.49	0.85	38.06	20.53	7.15
1100	14.85	23.91	19.44	12.61	1.48	0.84	37.50	20.44	7.19
1200	14.76	23.85	18.77	12.18	1.47	0.84	36.76	20.37	7.21
1250	14.72	23.81	18.49	11.98	1.47	0.84	37.21	20.39	7.24
1500	14.47	23.62	17.24	11.19	1.44	0.84	36.50	20.40	7.27
1750	14.22	23.41	16.30	10.58	1.42	0.84	35.99	20.26	7.30
2000	13.96	23.19	15.53	10.10	1.40	0.84	35.46	20.37	7.35
2250	13.68	22.96	14.94	9.73	1.38	0.84	34.88	20.36	7.38
2500	13.40	22.73	14.57	9.45	1.37	0.84	34.25	20.40	7.36
2750	13.14	22.50	14.27	9.28	1.36	0.84	33.57	20.22	7.49
3000	12.88	22.26	14.08	9.23	1.35	0.84	33.25	20.54	7.54
3250	12.61	22.03	14.00	9.23	1.36	0.84	33.22	20.50	7.55
3500	12.34	21.81	13.93	9.26	1.36	0.85	32.81	20.36	7.57
3750	12.06	21.60	13.99	9.31	1.37	0.85	32.22	20.19	7.64
4000	11.80	21.40	14.12	9.34	1.38	0.85	31.90	20.06	7.67
4250	11.52	21.22	14.28	9.40	1.40	0.85	31.53	20.22	7.70
4500	11.24	21.05	14.58	9.52	1.43	0.85	31.09	19.93	7.74
4750	10.98	20.87	14.99	9.66	1.45	0.86	30.60	19.72	7.78
5000	10.70	20.73	15.20	9.82	1.48	0.86	30.05	19.34	7.87
5250	10.42	20.59	15.38	9.97	1.51	0.86	29.86	19.29	7.89
5500	10.13	20.47	15.67	10.01	1.54	0.86	29.52	18.90	7.92
5750	9.85	20.35	15.46	10.29	1.58	0.87	29.25	18.77	7.94
6000	9.56	20.26	15.47	10.47	1.62	0.88	28.97	18.45	8.00
6250	9.27	20.18	15.53	10.42	1.66	0.87	28.82	18.29	8.07
6500	8.97	20.10	15.17	10.47	1.70	0.88	28.47	18.07	8.16
6750	8.65	20.05	14.73	10.44	1.74	0.88	28.56	17.83	8.20
7000	8.30	20.05	14.13	10.14	1.79	0.88	28.20	17.60	8.32

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 = 98.73mA @ 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)
20	15.43	24.22	37.77	17.14	1.53	0.85	39.28	18.85	7.10
40	15.42	24.22	37.93	17.27	1.53	0.85	41.69	19.60	6.94
60	15.41	24.19	40.60	17.44	1.53	0.85	45.72	19.71	6.98
80	15.41	24.20	41.36	17.63	1.53	0.85	41.55	19.70	6.92
100	15.41	24.20	41.59	17.77	1.53	0.85	40.47	19.59	6.91
200	15.39	24.20	32.88	17.48	1.53	0.85	40.46	19.71	6.93
300	15.34	24.18	29.24	16.78	1.53	0.85	38.60	19.83	7.01
400	15.30	24.16	26.99	16.33	1.53	0.85	40.00	19.74	6.94
500	15.25	24.14	25.06	15.80	1.53	0.85	39.20	19.84	6.91
600	15.20	24.11	23.66	15.12	1.52	0.85	38.33	19.83	6.99
700	15.14	24.07	22.50	14.52	1.51	0.85	38.35	19.77	6.97
800	15.06	24.02	21.55	14.00	1.51	0.85	37.46	19.77	7.01
900	14.99	23.97	20.75	13.44	1.50	0.85	37.29	19.61	7.00
1000	14.91	23.91	19.96	12.95	1.49	0.84	36.97	19.72	7.01
1100	14.82	23.85	19.31	12.53	1.48	0.84	36.60	19.64	7.08
1200	14.73	23.78	18.65	12.10	1.47	0.84	35.67	19.58	7.11
1250	14.68	23.75	18.38	11.91	1.46	0.84	36.49	19.59	7.09
1500	14.44	23.55	17.17	11.12	1.44	0.84	35.37	19.60	7.13
1750	14.18	23.34	16.20	10.53	1.41	0.84	34.98	19.47	7.18
2000	13.92	23.11	15.47	10.05	1.39	0.84	34.27	19.57	7.24
2250	13.64	22.88	14.88	9.68	1.37	0.84	33.98	19.55	7.23
2500	13.36	22.65	14.50	9.40	1.36	0.84	33.52	19.59	7.24
2750	13.10	22.42	14.23	9.25	1.35	0.84	33.11	19.46	7.37
3000	12.83	22.18	14.06	9.19	1.35	0.84	32.83	19.74	7.42
3250	12.57	21.95	13.96	9.19	1.35	0.84	32.75	19.69	7.40
3500	12.30	21.73	13.89	9.22	1.35	0.85	32.33	19.53	7.48
3750	12.03	21.52	13.96	9.27	1.37	0.85	32.12	19.42	7.53
4000	11.76	21.32	14.10	9.30	1.38	0.85	31.30	19.34	7.51
4250	11.49	21.14	14.28	9.37	1.39	0.85	31.22	19.52	7.56
4500	11.21	20.97	14.57	9.48	1.42	0.85	30.72	19.28	7.59
4750	10.95	20.79	14.97	9.62	1.44	0.85	30.27	19.10	7.67
5000	10.68	20.65	15.20	9.78	1.47	0.86	29.74	18.75	7.71
5250	10.39	20.51	15.40	9.93	1.50	0.86	29.59	18.75	7.69
5500	10.12	20.39	15.69	9.97	1.53	0.86	29.16	18.37	7.73
5750	9.84	20.27	15.50	10.25	1.57	0.87	29.17	18.23	7.81
6000	9.55	20.18	15.49	10.42	1.61	0.87	28.74	18.01	7.85
6250	9.26	20.11	15.56	10.38	1.65	0.87	28.56	17.85	7.94
6500	8.97	20.03	15.24	10.43	1.68	0.88	28.32	17.66	8.02
6750	8.65	19.98	14.77	10.39	1.73	0.88	28.45	17.44	8.01
7000	8.30	19.98	14.18	10.09	1.78	0.88	27.99	17.25	8.17

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 = 118.59mA @ 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)
20	15.48	24.31	42.76	17.44	1.54	0.85	42.83	20.30	7.34
40	15.47	24.32	43.61	17.59	1.54	0.85	40.92	21.08	7.16
60	15.46	24.29	48.11	17.76	1.54	0.85	41.70	21.22	7.20
80	15.46	24.29	46.21	17.96	1.54	0.85	43.91	21.21	7.17
100	15.46	24.30	43.15	18.11	1.54	0.85	42.87	21.10	7.19
200	15.43	24.29	33.23	17.80	1.54	0.85	45.88	21.24	7.14
300	15.39	24.28	29.64	17.07	1.54	0.85	42.81	21.37	7.18
400	15.35	24.26	27.34	16.60	1.54	0.85	43.24	21.26	7.19
500	15.30	24.24	25.36	16.04	1.53	0.85	43.41	21.38	7.19
600	15.25	24.22	23.94	15.34	1.53	0.85	40.89	21.38	7.23
700	15.19	24.18	22.74	14.72	1.52	0.85	40.69	21.29	7.19
800	15.12	24.13	21.79	14.18	1.52	0.85	39.48	21.30	7.24
900	15.04	24.08	20.94	13.61	1.51	0.85	38.87	21.11	7.26
1000	14.96	24.02	20.19	13.11	1.50	0.85	40.26	21.25	7.29
1100	14.88	23.96	19.51	12.67	1.49	0.85	39.59	21.14	7.33
1200	14.79	23.90	18.85	12.24	1.48	0.84	38.15	21.08	7.35
1250	14.74	23.87	18.54	12.04	1.47	0.84	38.98	21.10	7.34
1500	14.50	23.68	17.33	11.24	1.45	0.84	37.77	21.10	7.40
1750	14.25	23.47	16.35	10.63	1.42	0.84	36.78	20.95	7.41
2000	13.98	23.25	15.58	10.14	1.40	0.84	36.57	21.07	7.46
2250	13.71	23.02	15.00	9.77	1.39	0.84	36.27	21.07	7.50
2500	13.43	22.79	14.60	9.49	1.37	0.84	35.44	21.12	7.48
2750	13.17	22.57	14.29	9.33	1.36	0.84	34.15	20.90	7.62
3000	12.90	22.32	14.11	9.27	1.36	0.84	33.96	21.24	7.68
3250	12.64	22.09	14.00	9.28	1.36	0.85	33.64	21.21	7.65
3500	12.36	21.87	13.91	9.30	1.37	0.85	33.21	21.08	7.73
3750	12.09	21.66	13.98	9.36	1.38	0.85	32.74	20.86	7.79
4000	11.82	21.46	14.10	9.39	1.39	0.85	32.34	20.64	7.83
4250	11.54	21.28	14.28	9.46	1.41	0.86	31.98	20.80	7.82
4500	11.26	21.11	14.57	9.58	1.43	0.86	31.50	20.44	7.88
4750	10.99	20.93	14.95	9.73	1.46	0.86	30.91	20.21	7.92
5000	10.70	20.79	15.17	9.89	1.49	0.86	30.41	19.81	8.02
5250	10.41	20.65	15.35	10.05	1.52	0.87	30.24	19.72	8.03
5500	10.13	20.52	15.61	10.09	1.55	0.87	29.80	19.32	8.06
5750	9.84	20.41	15.42	10.38	1.59	0.87	29.72	19.15	8.09
6000	9.55	20.32	15.40	10.57	1.63	0.88	29.39	18.87	8.18
6250	9.25	20.24	15.45	10.52	1.67	0.88	29.27	18.68	8.22
6500	8.94	20.16	15.11	10.58	1.71	0.88	28.85	18.44	8.36
6750	8.62	20.11	14.66	10.55	1.76	0.89	28.96	18.19	8.39
7000	8.26	20.11	14.08	10.24	1.81	0.88	28.51	17.96	8.50