

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 = 4.47V, Id = 65mA @ Temperature = 25degC

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)
50.0	21.80	24.20	28.75	39.17	1.04	0.43	37.40	18.56	3.31
100.0	21.72	24.58	29.45	33.44	1.05	0.48	35.77	18.89	3.24
200.0	21.65	24.60	29.74	30.96	1.06	0.49	35.45	18.98	3.27
400.0	21.47	24.61	29.90	27.07	1.06	0.52	34.86	18.94	3.33
600.0	21.23	24.58	30.03	24.44	1.07	0.54	34.82	18.78	3.43
800.0	20.93	24.54	29.83	22.14	1.08	0.56	34.38	18.75	3.36
1000.0	20.61	24.52	29.45	20.77	1.09	0.59	32.78	18.65	3.41
1200.0	20.26	24.55	29.42	19.23	1.11	0.62	33.36	18.52	3.50
1400.0	19.89	24.51	28.51	18.25	1.13	0.64	32.43	18.28	3.50
1600.0	19.52	24.49	27.80	17.38	1.15	0.67	31.91	18.07	3.55
1800.0	19.14	24.46	26.33	16.71	1.17	0.69	31.21	17.59	3.56
2000.0	18.78	24.45	25.09	16.05	1.19	0.72	30.33	17.13	3.56
2200.0	18.39	24.43	23.44	15.72	1.21	0.74	29.64	16.57	3.62
2400.0	18.07	24.39	22.22	15.26	1.23	0.75	28.94	16.00	3.59
2600.0	17.74	24.30	21.12	14.67	1.24	0.77	28.29	15.37	3.68
2800.0	17.42	24.27	20.18	14.41	1.26	0.78	27.76	14.87	3.66
3000.0	17.10	24.24	19.65	14.17	1.28	0.80	27.13	14.35	3.59
3200.0	16.82	24.17	18.96	13.88	1.30	0.80	26.22	13.89	3.76
3400.0	16.57	24.13	18.93	13.57	1.31	0.81	25.80	13.54	3.71
3600.0	16.34	24.12	18.04	13.51	1.33	0.82	25.76	13.37	3.74
3800.0	16.14	24.09	17.87	13.27	1.34	0.83	24.95	12.69	3.78
4000.0	15.95	23.98	17.92	12.70	1.34	0.83	24.52	12.39	3.74
4200.0	15.68	23.92	18.37	12.54	1.37	0.83	24.00	11.85	3.83
4400.0	15.55	23.88	18.33	12.19	1.37	0.83	23.58	11.52	3.82
4600.0	15.43	23.74	17.59	11.65	1.35	0.83	23.16	11.05	3.84
4800.0	15.26	24.05	18.06	12.03	1.42	0.84	22.66	10.62	3.93
5000.0	15.24	23.76	16.59	10.96	1.35	0.83	22.39	10.27	3.85
5200.0	15.26	24.09	16.28	11.27	1.39	0.85	21.22	9.66	3.93
5400.0	15.03	23.71	16.48	10.34	1.35	0.82	20.79	9.20	3.94
5600.0	14.97	23.74	16.28	9.97	1.34	0.82	20.39	9.08	3.98
5800.0	14.97	23.83	15.85	9.75	1.34	0.82	20.06	8.71	4.00
6000.0	14.87	23.60	15.94	9.25	1.31	0.81	19.46	8.21	3.99
6200.0	14.90	23.42	16.64	9.15	1.29	0.79	18.92	7.76	4.06
6400.0	14.87	23.69	15.55	8.89	1.30	0.80	18.04	7.33	4.07
6600.0	14.80	23.72	15.16	8.51	1.29	0.79	17.82	7.04	4.12
6800.0	14.89	23.42	15.89	8.13	1.24	0.76	17.15	6.62	4.20
7000.0	14.68	23.76	15.09	7.82	1.28	0.77	17.14	6.46	4.23
7200.0	14.50	23.72	15.92	6.90	1.27	0.71	16.39	6.13	4.25
7400.0	14.17	23.39	15.87	7.93	1.33	0.76	16.30	5.88	4.33
7600.0	13.78	23.22	16.27	6.90	1.32	0.70	15.95	5.50	4.42
7800.0	13.09	23.38	15.53	6.93	1.43	0.72	15.64	5.44	4.47
8000.0	12.55	24.32	14.10	6.12	1.58	0.70	15.29	5.08	4.53

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 = 4.41V, Id = 52mA @ Temperature = 25degC

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)
50.0	21.59	24.07	24.67	39.95	1.04	0.44	32.83	16.82	3.29
100.0	21.51	24.44	25.82	39.97	1.06	0.49	32.51	17.31	3.20
200.0	21.45	24.42	26.05	34.24	1.06	0.50	31.68	17.31	3.25
400.0	21.27	24.42	25.98	28.54	1.06	0.52	32.12	17.20	3.28
600.0	21.04	24.40	26.30	25.58	1.07	0.54	32.00	17.14	3.37
800.0	20.75	24.44	26.39	22.81	1.08	0.57	32.01	16.83	3.30
1000.0	20.44	24.38	26.18	21.33	1.10	0.59	30.81	16.83	3.35
1200.0	20.09	24.32	26.17	19.72	1.11	0.62	31.29	16.54	3.42
1400.0	19.73	24.38	25.68	18.65	1.13	0.65	31.08	16.72	3.46
1600.0	19.36	24.32	25.03	17.71	1.14	0.67	30.74	16.32	3.51
1800.0	18.99	24.29	24.09	16.99	1.16	0.70	30.15	16.32	3.55
2000.0	18.63	24.21	22.98	16.28	1.18	0.71	29.52	15.89	3.55
2200.0	18.25	24.27	21.70	15.94	1.21	0.74	29.06	15.46	3.56
2400.0	17.93	24.22	20.69	15.45	1.22	0.76	28.24	15.05	3.55
2600.0	17.60	24.15	19.73	14.84	1.24	0.77	27.80	14.54	3.62
2800.0	17.29	24.07	19.02	14.58	1.25	0.78	27.09	14.07	3.57
3000.0	16.96	24.11	18.49	14.34	1.28	0.80	26.60	13.59	3.56
3200.0	16.69	24.02	17.96	14.06	1.29	0.81	25.62	13.12	3.66
3400.0	16.44	23.95	17.85	13.78	1.31	0.82	25.18	12.82	3.65
3600.0	16.21	23.97	17.16	13.69	1.33	0.83	25.13	12.64	3.69
3800.0	16.01	23.91	16.91	13.48	1.33	0.83	24.34	12.02	3.74
4000.0	15.82	23.84	16.99	12.90	1.34	0.83	23.94	11.69	3.69
4200.0	15.55	23.66	17.41	12.70	1.35	0.83	23.38	11.20	3.77
4400.0	15.41	23.70	17.31	12.44	1.36	0.84	22.91	10.81	3.75
4600.0	15.29	23.60	16.66	11.88	1.35	0.84	22.48	10.35	3.79
4800.0	15.11	23.96	17.16	12.30	1.43	0.85	21.98	9.88	3.82
5000.0	15.10	23.63	15.77	11.24	1.35	0.84	21.65	9.48	3.78
5200.0	15.09	24.02	15.52	11.62	1.40	0.86	20.45	8.96	3.82
5400.0	14.87	23.62	15.67	10.64	1.35	0.84	20.09	8.51	3.87
5600.0	14.80	23.67	15.38	10.33	1.35	0.84	19.66	8.39	3.92
5800.0	14.79	23.74	15.05	10.10	1.35	0.84	19.28	8.01	3.92
6000.0	14.67	23.57	15.21	9.62	1.33	0.83	18.72	7.50	3.89
6200.0	14.68	23.37	15.77	9.59	1.31	0.81	18.13	7.10	4.01
6400.0	14.64	23.61	14.80	9.36	1.33	0.82	17.21	6.66	4.01
6600.0	14.55	23.70	14.41	8.99	1.33	0.82	17.02	6.40	4.02
6800.0	14.62	23.43	15.06	8.66	1.29	0.79	16.35	5.99	4.09
7000.0	14.39	23.74	14.42	8.35	1.33	0.80	16.35	5.88	4.12
7200.0	14.20	23.74	15.18	7.38	1.33	0.75	15.71	5.55	4.15
7400.0	13.85	23.37	15.16	8.47	1.38	0.79	15.59	5.37	4.21
7600.0	13.45	23.24	15.61	7.40	1.39	0.74	15.24	4.98	4.31
7800.0	12.77	23.25	14.98	7.47	1.49	0.75	14.99	4.87	4.31
8000.0	12.21	24.19	13.71	6.59	1.64	0.73	14.65	4.62	4.39

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 = 4.52V, Id = 78mA @ Temperature = 25degC

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)
50.0	21.93	24.92	31.45	31.62	1.06	0.50	38.18	19.65	3.36
100.0	21.84	24.76	33.24	29.45	1.06	0.49	37.09	19.85	3.25
200.0	21.78	24.73	33.48	28.13	1.06	0.49	36.78	19.97	3.32
400.0	21.59	24.73	33.56	25.62	1.06	0.51	37.75	19.97	3.35
600.0	21.35	24.68	33.47	23.54	1.07	0.53	35.24	19.71	3.43
800.0	21.05	24.69	32.74	21.54	1.08	0.56	35.27	19.72	3.40
1000.0	20.72	24.68	32.31	20.30	1.10	0.59	33.19	19.55	3.45
1200.0	20.36	24.67	32.18	18.86	1.11	0.62	33.63	19.40	3.51
1400.0	19.99	24.64	31.15	17.96	1.13	0.64	32.15	18.95	3.57
1600.0	19.61	24.59	30.29	17.14	1.15	0.67	32.05	18.76	3.59
1800.0	19.23	24.60	28.38	16.52	1.17	0.69	31.30	18.11	3.63
2000.0	18.87	24.50	26.71	15.88	1.18	0.71	30.43	17.68	3.66
2200.0	18.48	24.60	24.74	15.61	1.22	0.74	29.89	17.15	3.64
2400.0	18.15	24.43	23.39	15.15	1.23	0.75	29.18	16.59	3.62
2600.0	17.83	24.36	22.09	14.58	1.24	0.76	28.60	15.93	3.71
2800.0	17.51	24.32	21.09	14.30	1.26	0.78	28.00	15.42	3.72
3000.0	17.18	24.32	20.46	14.08	1.29	0.79	27.41	14.90	3.69
3200.0	16.90	24.28	19.87	13.79	1.30	0.80	26.56	14.39	3.78
3400.0	16.65	24.20	19.66	13.50	1.32	0.81	26.14	14.06	3.78
3600.0	16.42	24.19	18.79	13.41	1.33	0.82	25.98	13.91	3.79
3800.0	16.23	24.16	18.47	13.16	1.34	0.82	25.23	13.19	3.83
4000.0	16.04	24.04	18.58	12.57	1.34	0.82	24.84	12.91	3.85
4200.0	15.74	23.90	19.42	12.31	1.36	0.82	24.35	12.39	3.89
4400.0	15.64	23.96	19.05	12.01	1.37	0.82	23.96	12.04	3.90
4600.0	15.52	23.77	18.20	11.45	1.34	0.82	23.48	11.59	3.93
4800.0	15.34	24.15	18.95	11.82	1.42	0.84	23.08	11.17	3.98
5000.0	15.35	23.86	17.19	10.77	1.35	0.82	22.75	10.84	3.96
5200.0	15.35	24.21	16.99	11.10	1.39	0.84	21.63	10.24	3.97
5400.0	15.14	23.79	17.16	10.13	1.34	0.81	21.19	9.76	4.06
5600.0	15.10	23.81	16.85	9.80	1.34	0.81	20.88	9.63	4.05
5800.0	15.11	23.84	16.42	9.53	1.32	0.81	20.50	9.27	4.06
6000.0	14.99	23.62	16.70	9.00	1.29	0.79	19.95	8.78	4.11
6200.0	15.03	23.46	17.37	8.90	1.28	0.78	19.38	8.35	4.16
6400.0	15.02	23.76	16.17	8.65	1.29	0.78	18.49	7.84	4.20
6600.0	14.97	23.81	15.76	8.22	1.28	0.78	18.31	7.59	4.21
6800.0	15.07	23.48	16.51	7.85	1.22	0.74	17.63	7.13	4.33
7000.0	14.88	23.78	15.62	7.51	1.25	0.75	17.59	6.96	4.32
7200.0	14.70	23.78	16.46	6.59	1.24	0.69	16.88	6.62	4.35
7400.0	14.42	23.45	16.44	7.56	1.29	0.74	16.81	6.39	4.43
7600.0	14.05	23.36	16.87	6.53	1.29	0.67	16.40	5.96	4.54
7800.0	13.33	23.48	15.97	6.58	1.39	0.69	16.11	5.89	4.58
8000.0	12.78	24.35	14.34	5.81	1.52	0.67	15.76	5.53	4.67

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 = 4.70V, Id = 65mA @ Temperature = -45degC

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)
50.0	21.97	24.58	30.07	32.90	1.04	0.45	40.28	18.83	2.75
100.0	21.90	24.73	31.08	30.57	1.05	0.48	37.40	19.20	2.69
200.0	21.84	24.73	30.46	29.46	1.05	0.49	36.49	19.27	2.71
400.0	21.66	24.67	32.45	25.78	1.06	0.50	38.22	19.25	2.74
600.0	21.44	24.67	32.35	23.95	1.07	0.52	36.03	19.14	2.81
800.0	21.16	24.66	32.40	21.92	1.08	0.55	35.88	19.05	2.78
1000.0	20.85	24.54	33.79	20.39	1.08	0.57	34.28	18.93	2.75
1200.0	20.51	24.55	34.17	19.11	1.10	0.60	34.91	18.84	2.86
1400.0	20.16	24.54	33.08	18.19	1.12	0.62	33.70	18.75	2.90
1600.0	19.80	24.48	33.38	17.29	1.13	0.64	33.41	18.52	2.93
1800.0	19.43	24.46	30.77	16.69	1.15	0.67	32.74	18.23	2.97
2000.0	19.10	24.36	28.40	16.14	1.16	0.69	31.87	17.80	2.94
2200.0	18.72	24.36	26.29	15.76	1.18	0.71	31.20	17.30	3.01
2400.0	18.41	24.31	24.79	15.36	1.20	0.73	30.51	16.79	2.93
2600.0	18.09	24.21	23.09	14.90	1.21	0.74	29.81	16.19	3.01
2800.0	17.80	24.14	22.10	14.58	1.22	0.75	29.31	15.65	3.01
3000.0	17.49	24.16	21.43	14.40	1.25	0.77	28.80	15.15	2.96
3200.0	17.23	24.03	20.39	14.13	1.25	0.78	27.75	14.67	3.04
3400.0	16.97	24.01	20.74	13.83	1.27	0.78	27.23	14.38	3.03
3600.0	16.77	24.06	19.16	13.99	1.29	0.80	27.27	14.28	3.08
3800.0	16.59	23.87	19.68	13.23	1.28	0.79	26.46	13.61	3.10
4000.0	16.40	23.84	19.51	12.90	1.29	0.80	26.09	13.35	3.05
4200.0	16.15	23.81	20.10	12.56	1.31	0.80	25.64	12.86	3.11
4400.0	16.02	23.74	20.31	12.25	1.31	0.80	25.27	12.51	3.11
4600.0	15.90	23.63	19.37	11.63	1.30	0.80	24.80	12.01	3.16
4800.0	15.74	23.91	20.35	12.05	1.36	0.81	24.46	11.57	3.20
5000.0	15.70	23.61	18.52	10.82	1.29	0.79	24.17	11.25	3.16
5200.0	15.82	24.03	17.93	11.19	1.33	0.81	22.93	10.70	3.17
5400.0	15.60	23.62	17.90	10.27	1.28	0.79	22.47	10.20	3.23
5600.0	15.57	23.62	17.99	9.93	1.28	0.79	22.18	10.11	3.28
5800.0	15.58	23.65	17.25	9.61	1.26	0.78	21.85	9.75	3.29
6000.0	15.54	23.48	17.50	9.18	1.24	0.77	21.20	9.24	3.30
6200.0	15.57	23.29	18.32	9.16	1.22	0.75	20.64	8.83	3.35
6400.0	15.62	23.52	16.53	8.73	1.21	0.76	19.58	8.30	3.38
6600.0	15.66	23.45	16.77	8.35	1.19	0.74	19.30	8.05	3.46
6800.0	15.81	23.42	16.85	8.01	1.16	0.72	18.52	7.64	3.41
7000.0	15.69	23.42	16.32	7.33	1.14	0.69	18.46	7.43	3.50
7200.0	15.77	22.79	18.22	6.51	1.07	0.60	17.35	7.03	3.53
7400.0	15.38	23.34	16.65	6.90	1.15	0.67	17.72	6.88	3.59
7600.0	15.11	22.91	17.36	6.24	1.13	0.61	17.19	6.43	3.62
7800.0	14.49	22.98	16.52	6.31	1.19	0.63	16.96	6.32	3.76
8000.0	14.00	23.46	14.30	5.66	1.26	0.61	16.46	5.98	3.78

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 = 4.64V, Id = 52mA @ Temperature = -45degC

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)
50.0	21.80	24.82	25.93	41.51	1.06	0.50	33.98	16.82	2.75
100.0	21.73	24.62	27.35	36.25	1.05	0.49	33.54	17.43	2.66
200.0	21.67	24.59	26.95	33.04	1.05	0.49	33.21	17.37	2.71
400.0	21.49	24.51	28.12	27.67	1.06	0.50	33.38	17.14	2.70
600.0	21.28	24.50	28.24	25.17	1.07	0.52	33.21	17.16	2.76
800.0	21.01	24.44	28.61	22.85	1.07	0.54	32.94	16.86	2.73
1000.0	20.71	24.43	29.54	21.12	1.08	0.57	32.20	16.86	2.77
1200.0	20.37	24.37	29.80	19.71	1.10	0.60	32.67	16.70	2.87
1400.0	20.03	24.38	29.18	18.64	1.11	0.62	32.65	16.87	2.87
1600.0	19.67	24.28	29.27	17.70	1.12	0.64	32.06	16.50	2.89
1800.0	19.32	24.29	27.58	17.04	1.14	0.67	31.87	16.65	2.91
2000.0	18.97	24.28	25.75	16.47	1.16	0.69	30.88	16.30	2.90
2200.0	18.61	24.21	24.21	16.01	1.18	0.71	30.55	16.01	2.91
2400.0	18.29	24.19	23.06	15.57	1.20	0.73	29.86	15.73	2.92
2600.0	17.99	24.11	21.60	15.09	1.21	0.75	29.14	15.30	2.97
2800.0	17.69	24.00	20.73	14.74	1.22	0.76	28.70	14.83	2.95
3000.0	17.38	24.04	20.14	14.62	1.24	0.77	27.99	14.37	2.92
3200.0	17.13	23.94	19.35	14.27	1.25	0.78	27.17	13.91	3.02
3400.0	16.87	23.86	19.56	13.96	1.27	0.79	26.69	13.69	2.95
3600.0	16.66	23.94	18.26	14.11	1.29	0.81	26.59	13.55	3.00
3800.0	16.48	23.76	18.68	13.44	1.28	0.80	25.85	12.95	3.08
4000.0	16.30	23.75	18.50	13.19	1.29	0.81	25.44	12.63	2.99
4200.0	16.04	23.69	19.05	12.82	1.31	0.81	24.94	12.12	3.09
4400.0	15.91	23.64	19.19	12.50	1.31	0.81	24.51	11.75	3.08
4600.0	15.77	23.58	18.51	11.88	1.31	0.81	24.13	11.31	3.09
4800.0	15.63	23.86	19.16	12.30	1.37	0.82	23.69	10.91	3.09
5000.0	15.60	23.51	17.56	11.05	1.29	0.80	23.37	10.55	3.12
5200.0	15.69	23.92	17.04	11.49	1.33	0.83	22.18	10.01	3.16
5400.0	15.48	23.53	16.95	10.51	1.29	0.80	21.68	9.52	3.12
5600.0	15.43	23.60	16.98	10.24	1.29	0.80	21.36	9.42	3.19
5800.0	15.43	23.58	16.41	9.93	1.27	0.80	21.01	9.02	3.17
6000.0	15.37	23.34	16.57	9.45	1.24	0.78	20.35	8.53	3.21
6200.0	15.40	23.11	17.28	9.32	1.22	0.76	19.83	8.18	3.19
6400.0	15.42	23.51	15.78	9.09	1.24	0.78	18.76	7.68	3.25
6600.0	15.46	23.44	15.90	8.76	1.21	0.76	18.44	7.41	3.24
6800.0	15.59	23.33	15.99	8.53	1.18	0.75	17.78	6.94	3.43
7000.0	15.44	23.52	15.42	7.85	1.19	0.74	17.64	6.75	3.37
7200.0	15.54	23.03	17.37	6.81	1.12	0.64	16.58	6.36	3.33
7400.0	15.04	23.19	15.55	7.77	1.20	0.73	16.92	6.25	3.56
7600.0	14.82	22.99	16.59	6.57	1.18	0.64	16.39	5.91	3.65
7800.0	14.15	22.74	16.04	6.90	1.24	0.67	16.20	5.87	3.63
8000.0	13.67	24.11	13.91	5.76	1.38	0.64	15.81	5.49	3.80

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 = 78mA @ Temperature = -45degC

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)
50.0	22.09	24.51	34.52	29.47	1.04	0.43	45.19	19.99	2.81
100.0	22.01	24.78	34.95	27.89	1.05	0.47	42.91	20.29	2.72
200.0	21.95	24.82	33.93	27.21	1.05	0.48	38.96	20.39	2.75
400.0	21.77	24.83	36.32	24.53	1.06	0.50	39.33	20.38	2.78
600.0	21.54	24.78	36.48	22.91	1.07	0.52	39.69	20.23	2.83
800.0	21.25	24.73	35.90	21.28	1.07	0.54	36.45	20.21	2.79
1000.0	20.94	24.71	37.67	19.86	1.09	0.57	35.25	20.10	2.85
1200.0	20.60	24.61	38.48	18.68	1.10	0.59	35.56	19.97	2.92
1400.0	20.25	24.66	36.97	17.86	1.12	0.62	33.95	19.63	2.93
1600.0	19.88	24.59	37.91	17.01	1.13	0.64	33.57	19.46	2.94
1800.0	19.51	24.54	34.20	16.45	1.15	0.67	32.54	18.88	2.95
2000.0	19.17	24.46	30.57	15.94	1.16	0.68	31.85	18.48	2.99
2200.0	18.80	24.47	28.09	15.58	1.19	0.71	31.29	17.95	3.09
2400.0	18.48	24.37	26.23	15.15	1.20	0.72	30.62	17.39	2.98
2600.0	18.17	24.31	24.32	14.77	1.21	0.74	30.07	16.75	3.04
2800.0	17.87	24.23	23.09	14.43	1.23	0.75	29.75	16.30	3.07
3000.0	17.56	24.25	22.38	14.25	1.25	0.77	29.09	15.74	3.00
3200.0	17.30	24.14	21.28	14.03	1.26	0.78	28.15	15.23	3.09
3400.0	17.04	24.14	21.66	13.68	1.28	0.78	27.76	14.91	3.05
3600.0	16.83	24.23	20.06	13.96	1.31	0.80	27.57	14.83	3.11
3800.0	16.65	23.97	20.51	13.14	1.29	0.79	26.82	14.16	3.15
4000.0	16.48	23.91	20.32	12.73	1.29	0.79	26.43	13.95	3.10
4200.0	16.23	23.86	20.89	12.37	1.31	0.79	26.13	13.39	3.20
4400.0	16.09	23.84	21.30	12.11	1.32	0.79	25.78	13.09	3.20
4600.0	15.95	23.66	20.31	11.44	1.30	0.79	25.34	12.62	3.21
4800.0	15.83	23.99	21.01	11.79	1.36	0.81	24.96	12.16	3.23
5000.0	15.79	23.72	19.35	10.66	1.30	0.79	24.66	11.89	3.26
5200.0	15.90	24.06	18.68	11.00	1.32	0.81	23.53	11.29	3.25
5400.0	15.70	23.72	18.69	10.06	1.28	0.78	23.00	10.77	3.30
5600.0	15.67	23.67	18.66	9.71	1.27	0.77	22.72	10.75	3.33
5800.0	15.68	23.68	18.10	9.36	1.25	0.77	22.43	10.35	3.36
6000.0	15.62	23.48	18.53	8.93	1.23	0.75	21.76	9.81	3.32
6200.0	15.66	23.38	19.05	8.82	1.22	0.74	21.18	9.40	3.43
6400.0	15.75	23.56	17.52	8.44	1.20	0.74	20.21	8.91	3.39
6600.0	15.79	23.52	17.54	8.04	1.17	0.72	19.91	8.63	3.48
6800.0	15.98	23.44	17.61	7.73	1.14	0.70	19.21	8.17	3.56
7000.0	15.88	23.52	17.05	7.04	1.12	0.68	19.12	8.03	3.60
7200.0	16.01	23.02	19.38	5.95	1.04	0.56	18.12	7.62	3.65
7400.0	15.59	23.33	17.16	6.83	1.13	0.66	18.32	7.31	3.67
7600.0	15.40	23.03	18.41	5.79	1.09	0.57	17.72	6.91	3.77
7800.0	14.67	22.61	17.14	6.14	1.14	0.60	17.64	6.68	3.85
8000.0	14.25	23.78	14.86	5.18	1.24	0.56	17.25	6.43	3.85

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 = 4.28V, Id = 65mA @ Temperature = 85degC

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)
50.0	21.63	24.19	26.46	53.50	1.04	0.45	36.86	18.30	3.83
100.0	21.55	24.45	27.99	37.89	1.05	0.49	34.62	18.58	3.78
200.0	21.48	24.46	28.72	32.58	1.06	0.50	34.45	18.66	3.75
400.0	21.28	24.50	27.99	27.61	1.07	0.52	35.86	18.65	3.80
600.0	21.03	24.52	27.66	24.91	1.08	0.55	33.72	18.44	3.95
800.0	20.72	24.48	27.38	22.06	1.09	0.58	33.76	18.41	3.89
1000.0	20.38	24.46	26.09	21.00	1.10	0.61	31.59	18.26	3.93
1200.0	20.01	24.47	25.97	19.16	1.12	0.64	31.77	18.11	3.97
1400.0	19.62	24.45	24.83	18.30	1.14	0.66	31.20	17.74	4.04
1600.0	19.23	24.42	24.13	17.37	1.16	0.69	30.33	17.51	4.08
1800.0	18.84	24.45	23.02	16.65	1.18	0.72	29.73	16.87	4.15
2000.0	18.46	24.37	21.90	15.97	1.20	0.73	28.82	16.37	4.15
2200.0	18.07	24.36	20.99	15.56	1.23	0.76	28.22	15.77	4.18
2400.0	17.72	24.37	20.00	15.17	1.25	0.78	27.49	15.18	4.15
2600.0	17.37	24.38	19.13	14.61	1.28	0.79	26.77	14.55	4.22
2800.0	17.06	24.28	18.42	14.29	1.29	0.80	26.31	14.03	4.27
3000.0	16.71	24.27	18.04	13.99	1.32	0.82	25.53	13.51	4.21
3200.0	16.44	24.16	17.44	13.63	1.32	0.83	24.69	13.02	4.30
3400.0	16.15	24.09	17.67	13.38	1.35	0.83	24.24	12.60	4.33
3600.0	15.90	24.13	16.82	13.12	1.37	0.84	24.11	12.36	4.38
3800.0	15.66	24.21	16.52	13.34	1.40	0.86	23.27	11.64	4.39
4000.0	15.50	24.09	16.21	12.74	1.39	0.86	22.72	11.31	4.40
4200.0	15.19	23.94	16.96	12.47	1.42	0.85	22.18	10.80	4.45
4400.0	15.04	23.91	16.47	12.30	1.42	0.86	21.64	10.41	4.48
4600.0	14.90	23.90	16.04	11.72	1.42	0.86	21.23	9.91	4.51
4800.0	14.70	24.14	16.38	12.18	1.49	0.87	20.82	9.51	4.56
5000.0	14.69	23.97	14.89	11.12	1.42	0.87	20.44	9.14	4.55
5200.0	14.56	24.14	15.18	11.39	1.47	0.88	19.39	8.59	4.62
5400.0	14.41	23.88	14.76	10.52	1.43	0.86	19.04	8.12	4.67
5600.0	14.32	23.96	14.50	10.30	1.44	0.87	18.58	7.96	4.67
5800.0	14.28	24.16	14.19	10.14	1.46	0.87	18.22	7.55	4.73
6000.0	14.07	23.81	14.21	9.55	1.42	0.86	17.81	7.14	4.76
6200.0	14.01	23.64	14.89	9.60	1.42	0.85	17.31	6.71	4.82
6400.0	13.97	23.86	14.35	9.29	1.43	0.85	16.52	6.29	4.86
6600.0	13.83	23.98	13.65	9.25	1.45	0.86	16.36	6.02	4.88
6800.0	13.68	23.90	14.60	8.64	1.46	0.83	15.91	5.65	4.92
7000.0	13.54	24.01	14.32	9.11	1.51	0.85	15.80	5.45	4.99
7200.0	13.21	24.23	15.18	7.79	1.55	0.80	15.23	5.15	5.02
7400.0	12.92	23.18	16.62	8.95	1.52	0.81	14.99	4.85	5.14
7600.0	12.43	24.57	15.74	7.22	1.73	0.76	14.84	4.59	5.16
7800.0	11.57	23.76	15.34	8.07	1.79	0.81	14.48	4.55	5.23
8000.0	10.87	23.93	15.00	7.39	1.92	0.78	14.21	4.28	5.39

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 = 4.21V, Id = 52mA @ Temperature = 85degC

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)
50.0	21.39	24.28	23.55	32.76	1.05	0.49	33.25	16.71	3.79
100.0	21.32	24.20	24.38	35.09	1.05	0.49	31.73	17.10	3.72
200.0	21.25	24.28	24.98	33.19	1.06	0.50	31.66	17.15	3.68
400.0	21.05	24.31	24.45	27.77	1.07	0.53	31.55	16.98	3.76
600.0	20.81	24.32	24.48	25.26	1.08	0.56	31.47	16.95	3.89
800.0	20.50	24.29	24.41	22.35	1.09	0.58	31.06	16.83	3.81
1000.0	20.17	24.28	23.37	21.18	1.10	0.61	29.96	16.73	3.90
1200.0	19.81	24.27	23.50	19.40	1.12	0.64	30.45	16.48	3.94
1400.0	19.42	24.29	22.51	18.45	1.14	0.67	30.14	16.39	3.99
1600.0	19.05	24.25	21.98	17.54	1.16	0.69	29.73	16.07	4.05
1800.0	18.66	24.23	21.19	16.78	1.18	0.72	29.41	15.82	4.07
2000.0	18.29	24.16	20.21	16.09	1.19	0.74	28.26	15.36	4.09
2200.0	17.90	24.19	19.54	15.65	1.22	0.76	27.94	14.83	4.17
2400.0	17.55	24.22	18.65	15.28	1.25	0.78	27.00	14.35	4.10
2600.0	17.21	24.19	18.00	14.71	1.27	0.80	26.45	13.75	4.18
2800.0	16.89	24.09	17.34	14.40	1.28	0.81	25.86	13.26	4.20
3000.0	16.55	24.14	17.04	14.09	1.31	0.83	25.17	12.79	4.16
3200.0	16.28	24.02	16.50	13.72	1.32	0.83	24.35	12.37	4.23
3400.0	15.98	23.94	16.71	13.51	1.34	0.84	23.86	11.98	4.24
3600.0	15.74	23.91	16.02	13.24	1.35	0.85	23.79	11.67	4.27
3800.0	15.50	24.04	15.64	13.47	1.40	0.86	22.88	10.97	4.31
4000.0	15.33	23.94	15.42	13.01	1.39	0.87	22.32	10.64	4.31
4200.0	15.03	23.77	15.99	12.64	1.41	0.86	21.69	10.12	4.34
4400.0	14.86	23.76	15.68	12.47	1.42	0.87	21.18	9.72	4.38
4600.0	14.71	23.75	15.28	11.98	1.42	0.87	20.74	9.25	4.40
4800.0	14.51	23.94	15.61	12.42	1.49	0.88	20.31	8.85	4.48
5000.0	14.50	23.91	14.22	11.47	1.44	0.88	19.96	8.45	4.43
5200.0	14.34	23.97	14.48	11.72	1.48	0.89	18.84	7.90	4.51
5400.0	14.20	23.79	14.11	10.81	1.44	0.88	18.50	7.44	4.54
5600.0	14.10	23.98	13.79	10.70	1.47	0.89	18.03	7.26	4.58
5800.0	14.04	24.06	13.59	10.55	1.48	0.89	17.64	6.91	4.59
6000.0	13.82	23.84	13.49	10.00	1.46	0.88	17.21	6.51	4.62
6200.0	13.74	23.57	14.07	10.04	1.45	0.87	16.71	6.11	4.67
6400.0	13.70	23.80	13.62	9.77	1.46	0.87	15.95	5.65	4.69
6600.0	13.53	23.98	13.14	9.81	1.51	0.88	15.77	5.37	4.71
6800.0	13.37	23.86	13.95	9.23	1.51	0.86	15.36	5.06	4.78
7000.0	13.18	23.93	13.70	9.71	1.57	0.88	15.25	4.84	4.82
7200.0	12.87	24.12	14.63	8.33	1.61	0.83	14.66	4.58	4.86
7400.0	12.57	23.17	16.03	9.55	1.59	0.84	14.51	4.35	4.98
7600.0	12.08	24.36	15.29	7.70	1.79	0.79	14.30	4.11	5.02
7800.0	11.21	23.65	14.96	8.57	1.86	0.83	14.01	4.06	5.06
8000.0	10.54	23.76	14.61	7.83	1.98	0.80	13.74	3.72	5.17

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 = 4.33V, Id = 78mA @ Temperature = 85degC

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)
50.0	21.78	24.79	28.73	35.16	1.06	0.50	41.43	19.27	3.89
100.0	21.70	24.59	31.24	31.90	1.05	0.49	37.01	19.36	3.80
200.0	21.62	24.60	32.24	29.49	1.06	0.50	36.80	19.49	3.79
400.0	21.42	24.57	31.04	26.42	1.06	0.52	35.71	19.50	3.87
600.0	21.16	24.65	30.32	24.17	1.08	0.55	34.46	19.19	3.99
800.0	20.84	24.61	29.69	21.67	1.09	0.58	34.03	19.21	3.92
1000.0	20.50	24.60	28.00	20.74	1.10	0.61	32.04	18.95	3.93
1200.0	20.12	24.60	27.79	18.97	1.12	0.63	32.49	18.78	4.03
1400.0	19.73	24.61	26.43	18.14	1.14	0.67	31.37	18.25	4.10
1600.0	19.34	24.55	25.47	17.27	1.16	0.69	30.86	18.00	4.15
1800.0	18.93	24.57	24.26	16.55	1.19	0.72	30.02	17.30	4.18
2000.0	18.56	24.54	22.93	15.93	1.21	0.74	29.09	16.83	4.22
2200.0	18.16	24.50	21.92	15.54	1.23	0.76	28.39	16.25	4.23
2400.0	17.80	24.43	20.76	15.14	1.25	0.77	27.69	15.65	4.21
2600.0	17.46	24.49	19.90	14.63	1.28	0.79	26.96	14.99	4.30
2800.0	17.14	24.31	19.07	14.31	1.29	0.80	26.33	14.45	4.29
3000.0	16.79	24.41	18.62	13.98	1.33	0.82	25.87	13.93	4.27
3200.0	16.52	24.28	18.00	13.58	1.33	0.82	24.90	13.42	4.37
3400.0	16.21	24.18	18.26	13.40	1.35	0.83	24.40	12.99	4.39
3600.0	15.97	24.17	17.34	13.11	1.37	0.84	24.21	12.79	4.46
3800.0	15.74	24.30	16.95	13.34	1.41	0.85	23.42	12.04	4.51
4000.0	15.57	24.14	16.69	12.70	1.40	0.85	22.89	11.72	4.46
4200.0	15.27	24.00	17.37	12.45	1.42	0.85	22.33	11.16	4.55
4400.0	15.11	23.98	16.98	12.30	1.43	0.86	21.83	10.78	4.56
4600.0	14.97	23.87	16.54	11.67	1.41	0.85	21.40	10.32	4.58
4800.0	14.77	24.13	16.81	12.13	1.48	0.87	21.00	9.95	4.63
5000.0	14.76	23.99	15.28	11.08	1.42	0.86	20.66	9.56	4.61
5200.0	14.63	24.13	15.59	11.30	1.47	0.87	19.64	9.03	4.72
5400.0	14.49	23.92	15.10	10.44	1.42	0.86	19.25	8.52	4.75
5600.0	14.40	24.06	14.84	10.25	1.44	0.86	18.85	8.35	4.81
5800.0	14.36	24.16	14.57	10.07	1.45	0.86	18.48	7.97	4.84
6000.0	14.15	23.89	14.55	9.46	1.42	0.85	18.07	7.56	4.86
6200.0	14.10	23.73	15.17	9.50	1.42	0.84	17.59	7.16	4.94
6400.0	14.07	23.89	14.66	9.21	1.42	0.84	16.83	6.68	4.93
6600.0	13.93	24.05	13.97	9.13	1.45	0.85	16.67	6.41	4.99
6800.0	13.79	23.95	14.84	8.54	1.45	0.82	16.21	6.04	5.04
7000.0	13.64	24.09	14.63	8.94	1.51	0.84	16.05	5.83	5.13
7200.0	13.32	24.18	15.46	7.74	1.52	0.79	15.47	5.49	5.15
7400.0	13.02	23.23	16.87	8.87	1.51	0.81	15.33	5.20	5.33
7600.0	12.56	24.37	16.09	7.15	1.68	0.75	15.05	4.93	5.34
7800.0	11.68	23.83	15.56	7.88	1.77	0.80	14.75	4.88	5.41
8000.0	10.99	23.97	15.07	7.25	1.90	0.77	14.47	4.52	5.52