

## 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 = 101.64mA @ 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)
20.0	25.50	35.16	7.24	12.05	1.35	0.98	35.54	19.86	2.68
60.0	25.22	31.34	8.92	20.28	1.11	0.88	37.84	19.59	1.18
100.0	25.04	30.49	8.94	24.19	1.07	0.85	37.96	20.20	0.82
200.0	24.04	29.41	9.22	30.63	1.08	0.84	39.10	21.55	0.57
300.0	22.75	28.36	9.63	39.30	1.11	0.84	39.48	22.11	0.81
400.0	21.47	27.31	10.04	33.58	1.14	0.84	40.23	22.41	0.60
500.0	20.26	26.26	10.42	27.13	1.16	0.84	40.22	22.58	0.67
600.0	19.16	25.26	10.80	22.99	1.17	0.83	40.13	22.62	0.66
700.0	18.15	24.33	11.14	20.04	1.17	0.83	40.31	22.64	0.71
800.0	17.21	23.47	11.43	17.75	1.18	0.82	40.67	22.70	0.79
900.0	16.36	22.69	12.27	15.85	1.19	0.80	40.81	22.73	0.97
1000.0	15.58	21.95	12.39	14.41	1.19	0.79	40.23	22.55	0.86
1100.0	14.85	21.29	12.62	13.09	1.19	0.77	40.98	22.74	0.91
1200.0	14.15	20.68	12.78	11.96	1.19	0.75	41.33	22.81	1.03
1300.0	13.48	20.14	12.81	10.96	1.19	0.73	40.75	22.83	1.07
1400.0	12.70	19.78	12.52	9.91	1.21	0.73	41.12	22.91	1.17
1500.0	12.33	19.12	13.87	9.75	1.20	0.69	40.88	23.02	1.31
1600.0	11.82	18.64	13.49	9.10	1.20	0.66	41.56	23.05	1.17
1700.0	11.30	18.22	13.31	8.58	1.20	0.64	42.40	23.24	1.22
1800.0	10.81	17.82	13.21	8.18	1.20	0.63	42.94	23.32	1.17
1900.0	10.35	17.45	13.20	7.87	1.20	0.61	42.54	23.33	1.31
2000.0	9.91	17.11	13.20	7.64	1.21	0.60	42.92	23.47	0.95
2100.0	9.42	16.84	13.41	7.49	1.22	0.61	44.05	23.65	1.36
2200.0	9.13	16.42	14.12	7.59	1.22	0.60	43.70	23.62	1.46
2300.0	8.81	16.07	14.42	7.62	1.22	0.60	44.20	23.49	1.18
2400.0	8.49	15.74	14.92	7.75	1.22	0.61	45.13	23.62	1.48
2500.0	8.18	15.43	15.58	7.98	1.22	0.62	45.72	23.76	1.30
2600.0	7.88	15.13	16.38	8.31	1.23	0.64	45.68	23.74	1.41
2700.0	7.55	14.88	17.32	8.77	1.24	0.67	48.55	23.78	1.47
2800.0	7.16	14.73	18.88	9.55	1.28	0.71	43.92	23.78	1.83
2900.0	7.01	14.37	20.40	10.27	1.26	0.73	44.59	24.01	1.90
3000.0	6.81	14.06	18.89	10.98	1.25	0.76	47.62	23.91	1.80
3100.0	6.56	13.83	17.03	11.93	1.25	0.79	47.53	23.82	2.03
3200.0	6.29	13.62	15.22	13.01	1.25	0.83	47.06	23.92	2.07
3300.0	6.01	13.45	13.58	14.17	1.25	0.86	46.60	24.01	2.15
3400.0	5.72	13.31	12.17	15.20	1.26	0.89	48.74	23.84	2.30
3600.0	5.07	13.11	9.84	16.06	1.28	0.94	48.13	23.61	2.87
3800.0	4.43	12.97	8.09	14.93	1.29	0.97	49.94	23.36	2.48
4000.0	3.74	12.90	7.00	13.26	1.32	0.98	47.20	22.98	2.89

## 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 = 96.48mA @ 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)
20.0	25.44	35.14	7.31	12.10	1.36	0.98	35.94	19.42	2.67
60.0	25.17	31.33	8.87	20.09	1.11	0.89	37.48	19.12	1.15
100.0	24.99	30.48	8.88	23.97	1.07	0.86	37.62	19.77	0.79
200.0	24.00	29.38	9.14	30.24	1.07	0.84	38.85	21.20	0.55
300.0	22.72	28.33	9.56	37.71	1.11	0.84	39.04	21.81	0.72
400.0	21.44	27.28	9.98	33.33	1.13	0.84	39.90	22.09	0.61
500.0	20.23	26.24	10.36	27.19	1.15	0.84	39.64	22.28	0.69
600.0	19.13	25.24	10.72	23.07	1.17	0.84	39.61	22.32	0.64
700.0	18.12	24.31	11.08	20.13	1.17	0.83	39.91	22.37	0.69
800.0	17.18	23.45	11.37	17.83	1.18	0.82	40.24	22.42	0.75
900.0	16.34	22.66	12.20	15.92	1.19	0.80	40.44	22.46	0.97
1000.0	15.56	21.93	12.33	14.47	1.19	0.79	40.00	22.30	0.88
1100.0	14.83	21.26	12.57	13.14	1.19	0.77	40.47	22.50	0.88
1200.0	14.13	20.66	12.75	12.01	1.19	0.75	40.64	22.59	0.97
1300.0	13.46	20.11	12.80	10.99	1.19	0.73	40.28	22.67	1.06
1400.0	12.68	19.76	12.53	9.94	1.21	0.73	40.87	22.75	1.13
1500.0	12.32	19.09	13.87	9.78	1.20	0.69	40.73	22.89	1.27
1600.0	11.80	18.61	13.50	9.12	1.19	0.66	41.26	22.94	1.15
1700.0	11.29	18.19	13.33	8.60	1.20	0.64	41.92	23.07	1.20
1800.0	10.80	17.80	13.25	8.20	1.20	0.63	42.61	23.18	1.18
1900.0	10.35	17.42	13.23	7.89	1.20	0.61	42.93	23.23	1.31
2000.0	9.90	17.08	13.25	7.66	1.20	0.60	42.79	23.34	0.97
2100.0	9.41	16.81	13.46	7.51	1.22	0.61	43.53	23.46	1.34
2200.0	9.12	16.39	14.19	7.60	1.21	0.60	43.17	23.43	1.46
2300.0	8.80	16.04	14.48	7.63	1.21	0.60	43.10	23.30	1.24
2400.0	8.48	15.71	15.00	7.77	1.22	0.61	44.19	23.41	1.48
2500.0	8.17	15.40	15.66	8.00	1.22	0.62	44.79	23.54	1.29
2600.0	7.87	15.10	16.49	8.34	1.23	0.64	45.83	23.52	1.42
2700.0	7.55	14.86	17.43	8.80	1.24	0.67	46.54	23.56	1.45
2800.0	7.15	14.70	19.02	9.58	1.28	0.71	45.31	23.55	1.76
2900.0	7.01	14.34	20.48	10.31	1.26	0.73	44.16	23.76	2.02
3000.0	6.80	14.03	18.88	11.03	1.25	0.76	45.93	23.64	1.75
3100.0	6.55	13.80	17.00	11.99	1.25	0.79	47.02	23.55	1.94
3200.0	6.28	13.60	15.19	13.09	1.25	0.83	46.53	23.65	2.04
3300.0	6.00	13.42	13.54	14.27	1.25	0.86	47.07	23.70	2.03
3400.0	5.70	13.29	12.11	15.32	1.26	0.89	47.82	23.52	2.32
3600.0	5.05	13.09	9.80	16.18	1.28	0.94	49.55	23.27	2.76
3800.0	4.41	12.95	8.06	14.99	1.29	0.97	51.01	22.99	2.53
4000.0	3.72	12.90	6.97	13.29	1.32	0.99	47.62	22.59	2.94

## 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 = 106.09mA @ 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)
20.0	25.52	35.24	7.24	12.02	1.36	0.98	36.00	20.26	2.68
60.0	25.25	31.37	8.90	20.51	1.11	0.89	38.00	20.02	1.16
100.0	25.06	30.53	8.95	24.54	1.07	0.85	38.01	20.60	0.80
200.0	24.06	29.45	9.22	31.28	1.08	0.84	39.00	21.85	0.57
300.0	22.77	28.41	9.65	41.26	1.11	0.84	39.63	22.37	0.82
400.0	21.49	27.35	10.07	33.16	1.14	0.84	40.37	22.67	0.58
500.0	20.28	26.30	10.44	26.83	1.16	0.84	40.26	22.82	0.72
600.0	19.18	25.30	10.81	22.78	1.17	0.83	40.33	22.85	0.66
700.0	18.17	24.37	11.16	19.89	1.18	0.83	40.58	22.87	0.71
800.0	17.22	23.52	11.44	17.63	1.18	0.82	40.81	22.93	0.80
900.0	16.38	22.73	12.29	15.76	1.19	0.80	40.98	22.94	0.94
1000.0	15.60	21.99	12.41	14.32	1.19	0.79	40.71	22.75	0.85
1100.0	14.86	21.33	12.64	13.02	1.19	0.77	41.29	22.93	0.91
1200.0	14.17	20.72	12.79	11.90	1.19	0.75	41.40	22.97	1.04
1300.0	13.49	20.18	12.82	10.90	1.20	0.73	41.02	22.96	1.06
1400.0	12.71	19.82	12.55	9.86	1.21	0.72	41.52	23.02	1.17
1500.0	12.35	19.16	13.89	9.69	1.20	0.69	41.49	23.09	1.32
1600.0	11.83	18.68	13.49	9.04	1.20	0.66	41.95	23.12	1.15
1700.0	11.31	18.26	13.32	8.53	1.20	0.64	42.70	23.34	1.25
1800.0	10.83	17.86	13.22	8.13	1.20	0.63	42.67	23.40	1.17
1900.0	10.37	17.49	13.20	7.82	1.20	0.61	42.82	23.39	1.36
2000.0	9.92	17.15	13.21	7.60	1.21	0.60	43.07	23.55	0.99
2100.0	9.43	16.88	13.42	7.44	1.22	0.60	43.79	23.78	1.32
2200.0	9.14	16.46	14.14	7.54	1.22	0.60	44.16	23.75	1.46
2300.0	8.82	16.10	14.41	7.56	1.22	0.60	44.06	23.61	1.24
2400.0	8.50	15.78	14.91	7.70	1.22	0.61	45.16	23.77	1.52
2500.0	8.18	15.47	15.56	7.92	1.22	0.62	45.70	23.94	1.30
2600.0	7.89	15.17	16.34	8.25	1.23	0.64	46.80	23.92	1.47
2700.0	7.56	14.92	17.28	8.70	1.24	0.67	49.33	23.95	1.45
2800.0	7.17	14.77	18.88	9.47	1.28	0.71	45.03	23.96	1.82
2900.0	7.02	14.40	20.40	10.18	1.26	0.73	44.62	24.20	2.05
3000.0	6.82	14.10	18.90	10.88	1.25	0.76	47.18	24.14	1.80
3100.0	6.57	13.86	17.07	11.80	1.25	0.79	47.15	24.04	2.01
3200.0	6.30	13.66	15.29	12.87	1.25	0.82	46.37	24.14	2.12
3300.0	6.02	13.48	13.64	14.01	1.26	0.86	47.00	24.26	2.17
3400.0	5.73	13.34	12.21	15.03	1.26	0.89	46.64	24.10	2.35
3600.0	5.08	13.14	9.88	15.96	1.28	0.94	48.07	23.88	2.78
3800.0	4.44	13.00	8.11	14.92	1.29	0.97	50.42	23.68	2.49
4000.0	3.75	12.94	7.01	13.30	1.33	0.99	48.24	23.30	3.04

## 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 = 106.20mA @ Temperature = -40°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)
20.0	26.16	34.62	6.96	10.47	1.18	0.93	36.54	19.86	2.61
60.0	25.44	30.69	9.48	18.80	1.05	0.82	42.00	19.37	0.95
100.0	25.12	29.88	9.92	23.54	1.04	0.78	41.30	20.02	0.60
200.0	24.09	28.87	10.55	27.71	1.07	0.77	42.57	21.96	0.41
300.0	22.85	27.90	11.00	32.25	1.10	0.77	41.86	22.88	0.58
400.0	21.61	26.91	11.36	42.12	1.13	0.78	41.78	23.11	0.48
500.0	20.43	25.92	11.59	32.11	1.14	0.78	43.23	23.32	0.51
600.0	19.36	24.97	11.87	25.40	1.15	0.78	43.58	23.42	0.50
700.0	18.37	24.06	12.12	21.63	1.16	0.78	43.33	23.48	0.60
800.0	17.45	23.22	12.27	18.55	1.16	0.78	43.85	23.52	0.53
900.0	16.61	22.47	13.37	16.17	1.17	0.76	44.60	23.60	0.64
1000.0	15.87	21.72	13.24	14.84	1.17	0.74	44.18	23.56	0.63
1100.0	15.14	21.06	13.40	13.48	1.17	0.73	45.32	23.72	0.68
1200.0	14.46	20.46	13.51	12.44	1.17	0.71	46.56	23.95	0.67
1300.0	13.80	19.92	13.43	11.43	1.17	0.70	44.94	24.23	0.78
1400.0	13.09	19.51	12.93	10.47	1.18	0.69	45.75	24.32	0.86
1500.0	12.63	18.96	14.50	10.29	1.18	0.67	45.35	24.59	1.26
1600.0	12.12	18.47	13.47	9.46	1.17	0.64	46.24	24.72	0.90
1700.0	11.60	18.07	13.04	8.85	1.17	0.62	45.59	24.60	0.85
1800.0	11.12	17.67	12.86	8.43	1.18	0.61	46.69	24.68	0.92
1900.0	10.67	17.29	12.92	8.15	1.18	0.60	44.62	24.87	0.85
2000.0	10.24	16.95	12.94	7.92	1.18	0.59	44.12	24.86	0.84
2100.0	9.78	16.64	12.88	7.73	1.19	0.59	46.03	24.77	1.00
2200.0	9.41	16.31	13.75	7.78	1.19	0.59	45.34	24.74	1.23
2300.0	9.12	15.93	13.61	7.66	1.18	0.58	45.17	24.73	1.02
2400.0	8.80	15.60	14.02	7.76	1.18	0.58	45.11	24.71	1.03
2500.0	8.53	15.25	14.68	8.04	1.18	0.60	46.35	24.72	0.86
2600.0	8.25	14.94	15.57	8.34	1.18	0.61	46.55	24.75	1.05
2700.0	7.97	14.64	16.75	8.84	1.19	0.64	43.86	24.88	1.51
2800.0	7.64	14.43	17.62	9.43	1.21	0.67	42.20	24.77	1.55
2900.0	7.31	14.24	21.30	10.42	1.24	0.71	45.31	24.92	1.73
3000.0	7.25	13.80	19.23	10.86	1.19	0.72	43.16	24.85	1.58
3100.0	7.03	13.53	17.02	11.84	1.18	0.75	44.81	24.73	1.37
3200.0	6.80	13.30	15.19	13.13	1.17	0.79	44.60	24.83	1.36
3300.0	6.52	13.12	13.56	14.17	1.18	0.82	44.08	24.82	1.50
3400.0	6.30	12.90	12.22	15.37	1.17	0.85	43.08	24.75	1.70
3600.0	5.69	12.68	10.09	16.00	1.19	0.89	42.03	24.44	1.86
3800.0	5.07	12.51	8.16	14.40	1.19	0.92	42.93	24.03	1.87
4000.0	4.40	12.43	6.80	12.24	1.20	0.93	41.80	23.60	2.08

## 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 = 100.90mA @ Temperature = -40°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)
20.0	26.17	34.41	6.79	9.62	1.13	0.90	36.32	19.35	2.58
60.0	25.36	30.55	9.41	18.55	1.05	0.82	41.54	18.88	0.95
100.0	25.03	29.74	9.86	23.50	1.04	0.78	40.64	19.55	0.60
200.0	24.01	28.76	10.50	27.78	1.06	0.77	41.82	21.49	0.42
300.0	22.78	27.79	10.96	32.53	1.10	0.77	41.15	22.44	0.56
400.0	21.56	26.83	11.34	44.56	1.12	0.77	41.48	22.68	0.45
500.0	20.39	25.85	11.56	32.64	1.14	0.78	42.06	22.89	0.51
600.0	19.32	24.91	11.80	25.54	1.15	0.78	42.60	22.99	0.48
700.0	18.34	24.01	12.07	21.72	1.16	0.78	42.68	23.05	0.53
800.0	17.43	23.18	12.22	18.61	1.16	0.78	43.34	23.10	0.58
900.0	16.60	22.43	13.34	16.19	1.17	0.76	44.00	23.18	0.61
1000.0	15.85	21.69	13.19	14.88	1.17	0.74	43.53	23.15	0.62
1100.0	15.13	21.04	13.37	13.50	1.17	0.73	44.71	23.31	0.64
1200.0	14.46	20.44	13.49	12.47	1.17	0.71	45.67	23.55	0.73
1300.0	13.80	19.90	13.42	11.46	1.17	0.70	44.54	23.87	0.78
1400.0	13.09	19.49	12.92	10.50	1.18	0.69	44.57	23.95	0.82
1500.0	12.63	18.94	14.53	10.34	1.18	0.67	44.48	24.26	1.29
1600.0	12.12	18.45	13.47	9.49	1.17	0.64	44.90	24.41	0.82
1700.0	11.60	18.05	13.03	8.88	1.17	0.62	44.82	24.25	0.90
1800.0	11.12	17.66	12.87	8.45	1.17	0.61	44.76	24.35	0.83
1900.0	10.68	17.28	12.93	8.18	1.18	0.60	44.98	24.59	0.97
2000.0	10.25	16.93	12.95	7.94	1.18	0.59	43.94	24.56	0.63
2100.0	9.80	16.62	12.92	7.76	1.18	0.58	44.57	24.46	0.92
2200.0	9.42	16.30	13.80	7.79	1.19	0.59	44.30	24.44	1.13
2300.0	9.13	15.91	13.62	7.67	1.18	0.58	43.84	24.41	0.86
2400.0	8.81	15.58	14.02	7.76	1.18	0.58	44.42	24.41	1.07
2500.0	8.54	15.24	14.69	8.04	1.18	0.59	44.80	24.43	0.91
2600.0	8.26	14.92	15.57	8.34	1.18	0.61	45.77	24.45	0.95
2700.0	7.99	14.62	16.72	8.85	1.18	0.64	43.42	24.56	0.91
2800.0	7.66	14.41	17.56	9.43	1.20	0.67	41.85	24.46	1.18
2900.0	7.31	14.24	21.34	10.45	1.24	0.71	44.28	24.60	1.63
3000.0	7.27	13.78	19.24	10.88	1.18	0.72	42.45	24.50	1.18
3100.0	7.05	13.51	17.03	11.86	1.18	0.75	43.59	24.36	1.54
3200.0	6.82	13.28	15.16	13.16	1.17	0.79	43.88	24.46	1.55
3300.0	6.54	13.10	13.53	14.20	1.17	0.82	43.82	24.44	1.51
3400.0	6.33	12.88	12.21	15.43	1.17	0.84	42.40	24.33	1.70
3600.0	5.72	12.65	10.07	16.04	1.18	0.89	41.87	24.01	2.04
3800.0	5.10	12.48	8.14	14.36	1.18	0.92	41.49	23.57	1.75
4000.0	4.43	12.40	6.79	12.16	1.19	0.92	41.02	23.13	2.14

## 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 = 113.02mA @ Temperature = -40°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)
20.0	26.33	34.51	6.78	9.81	1.13	0.91	36.37	20.38	2.70
60.0	25.50	30.64	9.61	18.96	1.05	0.81	41.16	19.86	0.98
100.0	25.16	29.87	10.00	23.78	1.04	0.78	41.31	20.51	0.64
200.0	24.12	28.88	10.65	27.64	1.07	0.76	42.95	22.37	0.41
300.0	22.88	27.90	11.13	31.58	1.10	0.76	42.82	23.26	0.85
400.0	21.63	26.91	11.48	39.41	1.13	0.77	43.21	23.49	0.48
500.0	20.46	25.92	11.71	31.92	1.14	0.78	43.28	23.70	0.53
600.0	19.39	24.96	11.96	25.40	1.15	0.78	43.79	23.78	0.51
700.0	18.40	24.06	12.20	21.63	1.16	0.78	43.67	23.83	0.55
800.0	17.48	23.22	12.37	18.54	1.16	0.77	44.32	23.88	0.56
900.0	16.65	22.47	13.49	16.15	1.17	0.75	44.73	23.94	0.63
1000.0	15.90	21.72	13.31	14.82	1.17	0.74	44.13	23.89	0.65
1100.0	15.18	21.07	13.47	13.46	1.17	0.73	44.54	24.04	0.70
1200.0	14.50	20.47	13.57	12.43	1.17	0.71	44.87	24.24	0.76
1300.0	13.83	19.93	13.49	11.42	1.17	0.70	44.39	24.46	0.78
1400.0	13.12	19.51	12.97	10.46	1.18	0.69	44.80	24.54	0.82
1500.0	12.66	18.96	14.56	10.29	1.18	0.67	45.25	24.78	1.27
1600.0	12.15	18.48	13.46	9.46	1.17	0.64	44.84	24.84	0.85
1700.0	11.63	18.07	13.00	8.84	1.17	0.62	45.53	24.80	0.90
1800.0	11.15	17.68	12.83	8.42	1.17	0.61	46.69	24.88	0.88
1900.0	10.70	17.30	12.88	8.14	1.18	0.59	45.83	25.00	0.95
2000.0	10.26	16.95	12.88	7.90	1.18	0.59	44.93	25.02	0.64
2100.0	9.82	16.65	12.84	7.72	1.18	0.58	46.66	25.04	0.97
2200.0	9.44	16.32	13.70	7.76	1.19	0.59	46.28	25.00	1.16
2300.0	9.15	15.94	13.53	7.64	1.18	0.57	46.20	24.98	0.87
2400.0	8.83	15.61	13.92	7.73	1.18	0.58	46.23	24.98	1.10
2500.0	8.56	15.26	14.58	8.01	1.18	0.59	51.61	24.99	0.94
2600.0	8.28	14.95	15.46	8.31	1.18	0.61	51.52	25.02	0.99
2700.0	8.00	14.65	16.61	8.81	1.19	0.63	45.28	25.15	1.01
2800.0	7.67	14.44	17.47	9.38	1.20	0.67	43.32	25.04	1.25
2900.0	7.33	14.26	21.22	10.38	1.23	0.71	47.08	25.20	1.61
3000.0	7.28	13.81	19.23	10.81	1.18	0.72	45.12	25.14	1.25
3100.0	7.07	13.54	17.06	11.79	1.18	0.75	48.51	25.03	1.56
3200.0	6.84	13.30	15.24	13.06	1.17	0.79	46.73	25.12	1.58
3300.0	6.56	13.12	13.62	14.10	1.17	0.82	46.53	25.12	1.58
3400.0	6.35	12.90	12.29	15.30	1.17	0.84	44.94	25.05	1.77
3600.0	5.73	12.67	10.14	15.93	1.18	0.88	44.93	24.75	2.08
3800.0	5.11	12.50	8.18	14.34	1.18	0.92	44.14	24.35	1.95
4000.0	4.44	12.42	6.82	12.19	1.20	0.92	42.99	23.96	2.23

## 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 = 93.98mA @ 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)
20.0	24.07	36.06	7.25	14.37	1.74	1.05	33.39	18.92	2.83
60.0	24.34	32.08	7.63	27.34	1.21	1.00	35.27	19.05	1.31
100.0	24.38	31.14	7.39	29.49	1.11	0.98	35.07	19.37	0.90
200.0	23.60	29.79	7.56	38.44	1.08	0.94	36.22	20.18	0.74
300.0	22.38	28.62	8.06	33.83	1.11	0.92	36.97	20.58	1.03
400.0	21.12	27.51	8.45	29.16	1.13	0.91	37.92	20.94	0.80
500.0	19.93	26.45	8.90	24.17	1.15	0.91	37.86	21.00	0.90
600.0	18.84	25.43	9.33	21.30	1.17	0.89	38.01	21.08	0.90
700.0	17.84	24.48	9.74	18.64	1.17	0.88	38.21	21.09	0.93
800.0	16.90	23.62	10.13	16.70	1.18	0.87	38.51	21.17	1.04
900.0	16.09	22.80	10.91	15.01	1.19	0.84	38.72	21.20	1.18
1000.0	15.32	22.05	11.23	13.68	1.19	0.82	38.47	21.09	1.14
1100.0	14.60	21.37	11.58	12.51	1.19	0.80	39.09	21.24	1.20
1200.0	13.92	20.75	11.87	11.46	1.19	0.77	39.22	21.22	1.35
1300.0	13.26	20.20	12.09	10.55	1.19	0.75	38.97	21.17	1.35
1400.0	12.48	19.85	12.31	9.63	1.21	0.74	39.37	21.28	1.54
1500.0	12.17	19.13	13.37	9.40	1.20	0.70	39.37	21.31	1.52
1600.0	11.66	18.64	13.38	8.83	1.19	0.67	40.09	21.32	1.44
1700.0	11.16	18.21	13.47	8.38	1.20	0.65	40.46	21.59	1.49
1800.0	10.68	17.80	13.53	8.01	1.20	0.63	40.77	21.64	1.44
1900.0	10.23	17.42	13.65	7.72	1.20	0.61	40.86	21.58	1.55
2000.0	9.78	17.08	13.74	7.50	1.21	0.60	41.59	21.79	1.31
2100.0	9.32	16.79	14.23	7.42	1.22	0.60	42.32	22.05	1.74
2200.0	9.02	16.38	14.66	7.42	1.21	0.60	42.14	22.03	1.81
2300.0	8.68	16.04	15.02	7.45	1.22	0.60	42.38	21.76	1.53
2400.0	8.34	15.73	15.57	7.59	1.22	0.61	43.29	22.05	1.87
2500.0	8.01	15.43	16.22	7.81	1.23	0.62	42.84	22.39	1.66
2600.0	7.69	15.16	17.00	8.14	1.24	0.64	42.43	22.32	1.82
2700.0	7.33	14.95	18.00	8.63	1.26	0.68	44.71	22.20	1.87
2800.0	7.01	14.73	19.90	9.34	1.28	0.71	45.22	22.31	2.38
2900.0	6.82	14.40	19.75	9.94	1.27	0.74	41.27	22.64	2.35
3000.0	6.57	14.14	18.36	10.70	1.27	0.77	43.93	22.65	2.21
3100.0	6.29	13.94	16.46	11.66	1.27	0.81	43.42	22.41	2.48
3200.0	5.99	13.77	14.65	12.73	1.28	0.85	43.76	22.49	2.47
3300.0	5.66	13.64	12.97	13.82	1.29	0.88	43.87	22.77	2.73
3400.0	5.32	13.56	11.54	14.82	1.31	0.92	43.48	22.61	2.85
3600.0	4.59	13.45	9.21	16.18	1.35	0.98	45.23	22.38	3.39
3800.0	3.80	13.45	7.60	15.77	1.39	1.03	44.51	22.33	3.23
4000.0	2.99	13.51	6.72	14.55	1.47	1.05	47.18	21.94	3.68

## 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 = 89.71mA @ 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)
20.0	24.13	35.96	7.25	14.38	1.71	1.05	33.62	18.52	2.81
60.0	24.36	32.06	7.63	25.77	1.21	1.00	34.82	18.61	1.30
100.0	24.38	31.08	7.43	28.04	1.11	0.97	34.80	18.97	0.91
200.0	23.59	29.74	7.59	35.58	1.08	0.94	36.04	19.83	0.74
300.0	22.36	28.58	8.08	32.98	1.10	0.92	36.64	20.25	0.96
400.0	21.11	27.47	8.48	29.16	1.13	0.91	37.48	20.62	0.78
500.0	19.91	26.40	8.92	24.30	1.15	0.90	37.46	20.69	0.90
600.0	18.82	25.39	9.35	21.44	1.16	0.89	37.79	20.79	0.87
700.0	17.82	24.45	9.76	18.79	1.17	0.88	37.92	20.80	0.95
800.0	16.89	23.58	10.15	16.83	1.18	0.87	38.33	20.88	1.03
900.0	16.08	22.77	10.93	15.11	1.19	0.84	38.51	20.93	1.19
1000.0	15.31	22.02	11.24	13.77	1.19	0.82	38.00	20.82	1.15
1100.0	14.59	21.34	11.59	12.60	1.19	0.80	38.79	20.98	1.17
1200.0	13.91	20.73	11.89	11.54	1.19	0.77	38.88	20.98	1.26
1300.0	13.25	20.17	12.10	10.62	1.19	0.75	38.72	20.93	1.35
1400.0	12.46	19.82	12.30	9.68	1.21	0.74	39.07	21.04	1.52
1500.0	12.15	19.10	13.40	9.46	1.20	0.70	39.08	21.10	1.52
1600.0	11.65	18.62	13.41	8.89	1.19	0.67	39.59	21.13	1.43
1700.0	11.15	18.18	13.49	8.43	1.20	0.65	40.16	21.40	1.50
1800.0	10.67	17.77	13.58	8.06	1.20	0.63	40.71	21.43	1.50
1900.0	10.22	17.39	13.69	7.77	1.20	0.61	40.60	21.42	1.70
2000.0	9.77	17.06	13.78	7.54	1.21	0.60	41.39	21.61	1.30
2100.0	9.31	16.76	14.26	7.45	1.22	0.61	42.02	21.97	1.70
2200.0	9.01	16.35	14.72	7.47	1.21	0.60	41.38	21.94	1.79
2300.0	8.67	16.01	15.09	7.50	1.22	0.60	42.34	21.66	1.58
2400.0	8.33	15.70	15.66	7.64	1.22	0.61	42.65	21.96	1.80
2500.0	8.00	15.40	16.29	7.87	1.23	0.62	42.64	22.27	1.69
2600.0	7.68	15.13	17.12	8.20	1.24	0.65	42.37	22.20	1.86
2700.0	7.32	14.92	18.13	8.69	1.26	0.68	44.25	22.08	1.84
2800.0	7.00	14.71	20.09	9.42	1.29	0.71	44.92	22.19	2.39
2900.0	6.81	14.37	20.02	10.04	1.27	0.74	41.39	22.48	2.38
3000.0	6.56	14.12	18.53	10.80	1.27	0.77	43.01	22.46	2.29
3100.0	6.28	13.91	16.60	11.77	1.27	0.81	43.17	22.25	2.47
3200.0	5.99	13.74	14.76	12.85	1.28	0.85	43.64	22.38	2.50
3300.0	5.66	13.61	13.05	13.94	1.30	0.88	43.46	22.56	2.68
3400.0	5.32	13.52	11.64	14.94	1.31	0.92	43.22	22.38	2.90
3600.0	4.60	13.40	9.31	16.24	1.35	0.98	44.59	22.11	3.33
3800.0	3.82	13.39	7.68	15.77	1.39	1.02	43.24	22.03	3.18
4000.0	3.03	13.44	6.80	14.55	1.46	1.05	44.82	21.61	3.66



## 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 = 97.14mA @ 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)
20.0	24.03	36.09	7.21	14.30	1.75	1.05	33.52	19.00	2.84
60.0	24.32	32.18	7.59	28.37	1.22	1.01	35.01	19.21	1.34
100.0	24.37	31.18	7.36	30.82	1.11	0.98	34.98	19.45	0.92
200.0	23.60	29.83	7.54	41.72	1.09	0.94	36.13	20.17	0.77
300.0	22.39	28.67	8.04	34.10	1.11	0.92	36.78	20.56	0.96
400.0	21.13	27.57	8.46	28.73	1.14	0.91	37.77	20.92	0.81
500.0	19.94	26.50	8.91	23.88	1.16	0.91	37.75	20.97	0.91
600.0	18.84	25.49	9.34	21.07	1.17	0.90	38.00	21.05	0.88
700.0	17.85	24.54	9.76	18.45	1.18	0.88	38.28	21.05	0.96
800.0	16.91	23.68	10.17	16.54	1.19	0.87	38.63	21.14	1.02
900.0	16.10	22.86	10.94	14.87	1.19	0.84	39.03	21.14	1.21
1000.0	15.33	22.12	11.28	13.56	1.19	0.82	38.54	21.05	1.12
1100.0	14.61	21.44	11.63	12.40	1.19	0.80	39.16	21.19	1.19
1200.0	13.93	20.82	11.95	11.35	1.20	0.77	39.46	21.16	1.32
1300.0	13.27	20.27	12.18	10.45	1.20	0.75	39.15	21.08	1.37
1400.0	12.48	19.92	12.39	9.54	1.22	0.74	39.50	21.18	1.56
1500.0	12.17	19.20	13.49	9.30	1.20	0.70	39.44	21.22	1.56
1600.0	11.66	18.72	13.52	8.74	1.20	0.67	40.01	21.21	1.45
1700.0	11.15	18.28	13.60	8.29	1.20	0.65	40.69	21.49	1.53
1800.0	10.68	17.87	13.69	7.94	1.20	0.63	40.96	21.51	1.51
1900.0	10.23	17.50	13.80	7.65	1.21	0.61	41.37	21.46	1.65
2000.0	9.78	17.16	13.90	7.44	1.21	0.60	41.61	21.64	1.32
2100.0	9.32	16.86	14.40	7.36	1.22	0.61	41.91	22.06	1.69
2200.0	9.01	16.45	14.84	7.37	1.22	0.60	41.10	22.05	1.82
2300.0	8.67	16.12	15.22	7.41	1.22	0.60	42.21	21.76	1.62
2400.0	8.33	15.81	15.79	7.55	1.23	0.61	42.74	22.09	1.88
2500.0	8.01	15.51	16.44	7.77	1.23	0.63	42.32	22.44	1.69
2600.0	7.68	15.24	17.26	8.10	1.25	0.65	42.68	22.36	1.92
2700.0	7.32	15.02	18.31	8.58	1.27	0.68	44.11	22.23	1.93
2800.0	7.00	14.80	20.31	9.28	1.29	0.71	44.12	22.35	2.33
2900.0	6.82	14.47	20.28	9.86	1.27	0.74	41.43	22.71	2.32
3000.0	6.56	14.21	18.84	10.57	1.27	0.77	43.83	22.74	2.29
3100.0	6.29	14.01	16.89	11.47	1.28	0.81	43.29	22.49	2.50
3200.0	5.99	13.83	15.01	12.48	1.29	0.84	43.94	22.59	2.59
3300.0	5.66	13.70	13.28	13.48	1.30	0.88	43.87	22.87	2.70
3400.0	5.33	13.61	11.83	14.41	1.32	0.91	43.85	22.76	2.97
3600.0	4.61	13.49	9.45	15.78	1.35	0.97	45.17	22.56	3.35
3800.0	3.84	13.47	7.78	15.65	1.40	1.02	44.54	22.59	3.24
4000.0	3.04	13.52	6.87	14.67	1.47	1.05	47.00	22.23	3.78