

## 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 = 34.21mA @ 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)
400	10.60	41.12	3.91	11.89	9.19	1.32	21.84	9.70	4.94
500	12.96	39.11	6.11	15.26	7.38	1.21	23.19	11.73	4.99
600	14.37	37.35	9.09	18.33	6.08	1.11	24.10	11.85	4.27
700	15.24	36.24	12.79	21.27	5.30	1.04	24.11	11.93	4.05
800	15.81	35.39	17.66	24.38	4.71	1.00	23.68	11.68	3.97
900	16.19	34.74	24.37	27.65	4.27	0.99	23.59	11.79	3.88
1000	16.46	34.28	28.54	31.32	3.95	0.98	22.73	11.17	3.87
1100	16.64	33.95	23.53	35.16	3.72	0.99	22.83	11.36	3.93
1200	16.76	33.75	20.37	36.36	3.57	0.99	22.48	11.01	3.88
1300	16.86	33.59	18.65	33.80	3.46	0.99	22.27	10.84	3.89
1400	16.90	33.46	17.66	30.58	3.37	1.00	22.24	10.86	3.90
1500	16.91	33.36	17.13	27.92	3.32	1.00	21.84	10.44	3.87
1600	16.94	33.47	16.92	25.69	3.34	1.00	21.86	10.46	3.92
1700	16.89	33.41	17.45	24.55	3.35	0.99	21.55	10.19	3.88
1800	16.83	33.35	17.96	23.22	3.35	0.99	21.65	10.19	3.90
1900	16.76	33.45	18.81	22.15	3.42	0.99	21.47	10.04	3.88
2000	16.64	33.51	19.73	21.32	3.49	0.98	21.10	9.70	3.94
2100	16.51	33.60	20.55	20.61	3.58	0.98	21.22	9.77	3.91
2200	16.35	33.79	20.56	20.01	3.72	0.98	20.81	9.53	3.90
2300	16.17	33.87	19.61	19.41	3.82	0.98	20.99	9.62	3.94
2400	15.98	33.98	17.39	18.87	3.91	0.99	21.09	9.77	4.04
2500	15.63	34.54	15.51	19.04	4.29	1.00	21.00	9.65	3.99
2600	15.33	35.04	13.83	19.21	4.64	1.02	21.06	9.63	4.18
2700	15.01	35.10	12.25	19.07	4.75	1.03	21.15	9.73	4.20
2800	14.56	35.56	10.63	19.95	5.13	1.07	21.22	9.76	4.33
2900	14.15	35.77	9.43	20.24	5.34	1.09	21.08	9.72	4.38
3000	13.75	36.17	8.40	20.53	5.66	1.13	21.02	9.64	4.42
3100	13.23	36.56	7.42	21.80	6.02	1.17	21.04	9.59	4.58
3200	12.80	37.26	6.67	22.15	6.56	1.20	21.01	9.65	4.59
3300	12.29	37.43	6.01	22.55	6.77	1.24	20.72	9.18	4.72
3400	11.80	37.82	5.39	23.90	7.12	1.28	21.19	9.69	4.90
3600	10.83	38.95	4.45	25.32	8.17	1.35	21.30	9.78	5.22
3800	9.91	39.69	3.77	25.55	8.94	1.41	21.68	10.08	5.53
4000	9.00	40.57	3.28	25.23	10.03	1.46	21.61	10.00	5.95
4200	8.17	41.21	2.84	24.72	10.75	1.51	21.70	10.10	6.40
4400	7.39	39.93	2.56	24.02	9.42	1.55	21.83	10.29	6.87
4600	6.66	39.67	2.38	22.48	9.39	1.57	21.96	10.54	7.26
4800	6.02	40.69	2.18	20.51	10.57	1.59	22.05	10.78	7.65
5000	5.39	35.74	1.98	19.00	5.91	1.62	22.34	11.35	8.06
5200	4.58	37.79	2.02	16.79	8.23	1.60	21.93	10.89	8.63
5400	3.25	42.33	2.00	14.72	15.90	1.58	20.91	10.03	9.12

## 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 = 3.90V, Id = 33.72mA @ 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)
400	10.40	41.17	3.93	11.77	9.48	1.32	21.34	9.40	4.98
500	12.72	39.10	6.14	14.86	7.58	1.21	22.71	11.42	5.03
600	14.09	37.31	9.07	17.57	6.22	1.11	23.55	11.59	4.30
700	14.92	36.18	12.67	20.12	5.43	1.04	23.57	11.67	4.07
800	15.48	35.31	17.27	22.74	4.83	1.00	23.19	11.44	3.97
900	15.83	34.64	23.05	25.36	4.38	0.99	23.07	11.54	3.95
1000	16.09	34.16	26.96	28.35	4.05	0.98	22.29	10.95	3.90
1100	16.25	33.80	23.67	32.02	3.82	0.99	22.36	11.11	3.94
1200	16.37	33.55	20.79	36.41	3.65	0.99	22.04	10.76	3.91
1300	16.45	33.35	19.08	36.49	3.53	0.99	21.81	10.59	3.91
1400	16.49	33.18	18.10	32.61	3.43	0.99	21.78	10.60	3.90
1500	16.49	33.04	17.56	29.22	3.37	1.00	21.40	10.18	3.91
1600	16.51	33.10	17.30	26.12	3.38	1.00	21.42	10.18	3.96
1700	16.46	32.98	17.79	24.63	3.35	0.99	21.10	9.92	3.94
1800	16.40	32.87	18.26	23.06	3.33	0.99	21.22	9.91	3.96
1900	16.33	32.90	19.04	21.73	3.37	0.99	21.04	9.75	4.01
2000	16.22	32.89	19.85	20.69	3.41	0.98	20.68	9.43	3.94
2100	16.10	32.91	20.59	19.83	3.47	0.98	20.80	9.47	3.96
2200	15.94	33.02	20.51	19.06	3.57	0.98	20.37	9.23	3.92
2300	15.77	33.01	19.62	18.32	3.62	0.98	20.54	9.31	3.97
2400	15.59	33.12	17.49	17.57	3.70	0.98	20.59	9.44	4.04
2500	15.26	33.55	15.66	17.47	4.00	0.99	20.52	9.31	3.99
2600	14.98	33.89	14.02	17.44	4.23	1.00	20.60	9.28	4.23
2700	14.68	33.85	12.42	17.09	4.28	1.02	20.66	9.37	4.23
2800	14.25	34.26	10.81	17.53	4.58	1.05	20.75	9.43	4.31
2900	13.85	34.33	9.58	17.60	4.70	1.08	20.62	9.35	4.43
3000	13.46	34.62	8.56	17.61	4.91	1.11	20.55	9.27	4.42
3100	12.95	34.90	7.54	18.33	5.16	1.15	20.59	9.24	4.58
3200	12.54	35.43	6.78	18.43	5.51	1.18	20.53	9.30	4.61
3300	12.04	35.55	6.11	18.37	5.65	1.22	20.28	8.85	4.77
3400	11.55	35.84	5.48	18.97	5.87	1.26	20.68	9.34	4.90
3600	10.59	36.69	4.53	19.55	6.52	1.33	20.80	9.42	5.22
3800	9.67	37.24	3.84	19.50	7.00	1.39	21.17	9.72	5.62
4000	8.75	37.78	3.34	19.01	7.54	1.44	21.13	9.67	6.03
4200	7.90	38.24	2.88	18.58	7.91	1.49	21.22	9.74	6.44
4400	7.10	37.22	2.61	18.18	7.18	1.52	21.34	9.95	6.88
4600	6.33	36.97	2.43	17.37	7.18	1.54	21.41	10.21	7.34
4800	5.65	37.69	2.22	16.27	7.80	1.56	21.50	10.43	7.69
5000	4.97	34.40	2.04	15.40	5.34	1.58	21.52	10.94	8.13
5200	4.10	35.93	2.09	13.94	7.03	1.56	20.96	10.42	8.67
5400	2.70	39.48	2.11	12.36	12.33	1.53	19.61	9.39	9.18

## 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 = 34.27mA @ 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)
400	10.61	41.09	3.91	11.91	9.14	1.32	21.89	9.75	4.90
500	12.99	39.10	6.11	15.32	7.36	1.21	23.24	11.77	4.92
600	14.40	37.34	9.08	18.44	6.06	1.11	24.18	11.89	4.29
700	15.27	36.24	12.79	21.42	5.28	1.04	24.17	11.96	4.06
800	15.85	35.39	17.71	24.56	4.69	1.00	23.73	11.70	3.94
900	16.23	34.74	24.56	27.79	4.25	0.99	23.64	11.83	3.89
1000	16.50	34.29	28.75	31.14	3.93	0.98	22.79	11.21	3.87
1100	16.68	33.96	23.48	33.85	3.71	0.99	22.88	11.39	3.89
1200	16.81	33.76	20.30	33.91	3.55	0.99	22.53	11.04	3.86
1300	16.91	33.61	18.57	31.93	3.44	0.99	22.31	10.88	3.87
1400	16.95	33.48	17.58	29.45	3.36	1.00	22.28	10.90	3.87
1500	16.96	33.39	17.06	27.19	3.31	1.00	21.89	10.48	3.88
1600	16.99	33.50	16.85	25.26	3.33	1.00	21.91	10.49	3.89
1700	16.94	33.45	17.35	24.24	3.34	0.99	21.60	10.22	3.86
1800	16.89	33.41	17.87	23.02	3.34	0.99	21.69	10.24	3.87
1900	16.81	33.52	18.71	22.04	3.42	0.99	21.52	10.08	3.85
2000	16.70	33.58	19.64	21.27	3.49	0.99	21.14	9.74	3.88
2100	16.57	33.69	20.43	20.61	3.59	0.98	21.28	9.82	3.90
2200	16.40	33.89	20.43	20.06	3.73	0.98	20.87	9.56	3.90
2300	16.21	33.98	19.51	19.49	3.84	0.98	21.05	9.67	3.91
2400	16.03	34.10	17.29	19.03	3.94	0.99	21.14	9.82	3.99
2500	15.67	34.67	15.47	19.24	4.34	1.00	21.06	9.70	3.94
2600	15.37	35.20	13.80	19.46	4.70	1.02	21.10	9.68	4.14
2700	15.04	35.27	12.20	19.37	4.82	1.04	21.22	9.78	4.15
2800	14.59	35.75	10.60	20.35	5.22	1.07	21.30	9.83	4.30
2900	14.17	35.97	9.41	20.72	5.45	1.10	21.14	9.76	4.37
3000	13.77	36.40	8.39	21.08	5.79	1.13	21.06	9.70	4.39
3100	13.25	36.79	7.41	22.48	6.16	1.17	21.11	9.65	4.51
3200	12.81	37.51	6.66	22.87	6.74	1.21	21.09	9.70	4.55
3300	12.30	37.70	6.00	23.40	6.97	1.24	20.76	9.24	4.66
3400	11.80	38.12	5.38	24.93	7.36	1.28	21.26	9.75	4.83
3600	10.84	39.29	4.45	26.44	8.49	1.35	21.39	9.83	5.18
3800	9.92	40.02	3.78	26.67	9.29	1.42	21.76	10.14	5.51
4000	9.02	40.96	3.29	26.48	10.49	1.46	21.70	10.06	5.90
4200	8.18	41.58	2.85	25.95	11.22	1.51	21.78	10.16	6.36
4400	7.42	40.14	2.57	25.14	9.65	1.55	21.87	10.34	6.85
4600	6.67	39.69	2.38	23.37	9.40	1.57	22.00	10.59	7.23
4800	6.05	41.27	2.21	21.11	11.37	1.59	22.12	10.83	7.59
5000	5.43	36.07	1.99	19.35	6.13	1.62	22.45	11.41	7.99
5200	4.64	38.07	2.03	17.09	8.48	1.60	22.05	10.96	8.55
5400	3.31	42.48	2.01	14.99	16.17	1.58	21.04	10.11	9.11

## 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 = 32.92mA @ 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)
400	11.00	41.28	3.77	12.15	8.78	1.34	21.89	9.47	4.13
500	13.34	39.25	5.92	15.40	7.09	1.22	23.29	11.43	4.38
600	14.74	37.44	8.82	18.39	5.84	1.12	24.19	11.50	3.53
700	15.60	36.33	12.42	21.17	5.11	1.04	24.15	11.58	3.37
800	16.19	35.50	17.31	24.37	4.56	1.00	23.73	11.33	3.21
900	16.58	34.80	24.48	27.94	4.11	0.99	23.62	11.45	3.16
1000	16.86	34.36	31.02	30.74	3.81	0.98	22.73	10.80	3.15
1100	17.05	34.04	24.50	31.77	3.59	0.98	22.84	11.02	3.21
1200	17.19	33.83	21.03	31.05	3.44	0.99	22.49	10.68	3.18
1300	17.29	33.68	19.28	30.13	3.33	0.99	22.27	10.54	3.17
1400	17.36	33.55	18.13	29.13	3.25	0.99	22.26	10.60	3.18
1500	17.37	33.45	17.42	27.52	3.19	0.99	21.83	10.17	3.15
1600	17.41	33.56	17.09	25.90	3.21	0.99	21.87	10.21	3.20
1700	17.38	33.52	17.49	25.17	3.21	0.99	21.56	9.93	3.17
1800	17.34	33.49	18.01	23.81	3.22	0.99	21.68	9.97	3.16
1900	17.27	33.56	18.88	22.44	3.27	0.99	21.50	9.83	3.13
2000	17.17	33.64	19.68	21.47	3.34	0.98	21.08	9.45	3.17
2100	17.05	33.75	20.28	20.80	3.42	0.98	21.25	9.56	3.19
2200	16.90	33.92	20.10	20.14	3.54	0.98	20.77	9.27	3.15
2300	16.73	34.01	19.31	19.56	3.64	0.98	20.98	9.39	3.18
2400	16.56	34.15	17.31	19.10	3.74	0.99	21.09	9.56	3.22
2500	16.22	34.72	15.45	19.42	4.10	1.00	21.01	9.43	3.20
2600	15.94	35.23	13.83	19.64	4.43	1.02	21.10	9.45	3.40
2700	15.63	35.34	12.31	19.42	4.56	1.03	21.18	9.55	3.36
2800	15.18	35.86	10.64	20.35	4.95	1.07	21.23	9.56	3.49
2900	14.74	35.89	9.38	20.56	5.06	1.10	21.08	9.52	3.55
3000	14.39	36.45	8.43	20.90	5.43	1.13	21.04	9.44	3.56
3100	13.88	36.77	7.45	22.48	5.74	1.17	21.09	9.43	3.63
3200	13.47	37.56	6.71	22.92	6.31	1.20	20.98	9.42	3.68
3300	12.95	37.76	5.98	23.74	6.51	1.24	20.68	8.92	3.80
3400	12.44	38.19	5.38	25.51	6.90	1.28	21.15	9.45	3.97
3600	11.47	39.37	4.40	27.76	7.92	1.36	21.26	9.52	4.26
3800	10.52	40.02	3.65	28.66	8.48	1.43	21.67	9.82	4.61
4000	9.60	41.17	3.12	27.98	9.70	1.48	21.52	9.68	4.98
4200	8.79	41.62	2.66	27.79	10.03	1.54	21.62	9.77	5.35
4400	8.04	40.29	2.40	26.75	8.68	1.57	21.76	10.00	5.80
4600	7.34	40.20	2.21	24.72	8.73	1.60	21.85	10.18	6.13
4800	6.77	40.92	2.01	22.63	9.36	1.62	22.02	10.51	6.45
5000	6.22	36.13	1.79	20.55	5.21	1.65	22.32	11.03	6.83
5200	5.53	38.18	1.80	18.00	7.08	1.64	22.03	10.77	7.37
5400	4.41	42.54	1.80	15.69	13.18	1.62	21.38	10.20	7.81

## 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 = 3.90V, Id = 32.53mA @ 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)
400	10.85	41.31	3.79	12.10	8.99	1.34	21.47	9.23	4.10
500	13.15	39.24	5.95	15.20	7.23	1.22	22.81	11.21	4.43
600	14.52	37.42	8.81	18.02	5.96	1.11	23.65	11.30	3.60
700	15.36	36.30	12.33	20.63	5.22	1.05	23.63	11.38	3.31
800	15.93	35.45	16.97	23.64	4.66	1.01	23.23	11.13	3.22
900	16.30	34.74	23.35	27.19	4.21	0.99	23.12	11.25	3.17
1000	16.58	34.29	29.12	31.17	3.90	0.98	22.34	10.61	3.11
1100	16.76	33.94	24.85	35.39	3.67	0.98	22.41	10.82	3.18
1200	16.89	33.71	21.54	37.94	3.51	0.99	22.06	10.49	3.16
1300	16.99	33.53	19.78	36.60	3.39	0.99	21.87	10.34	3.11
1400	17.05	33.38	18.57	33.43	3.30	0.99	21.84	10.39	3.17
1500	17.06	33.25	17.83	30.02	3.24	0.99	21.44	9.95	3.15
1600	17.09	33.32	17.45	27.18	3.25	0.99	21.47	10.01	3.13
1700	17.06	33.23	17.82	25.87	3.23	0.99	21.13	9.72	3.18
1800	17.01	33.16	18.29	24.02	3.22	0.99	21.28	9.76	3.19
1900	16.95	33.18	19.12	22.35	3.25	0.98	21.07	9.60	3.14
2000	16.85	33.23	19.84	21.21	3.30	0.98	20.70	9.24	3.15
2100	16.74	33.28	20.40	20.40	3.36	0.98	20.84	9.33	3.17
2200	16.60	33.39	20.19	19.58	3.45	0.98	20.37	9.04	3.15
2300	16.44	33.42	19.41	18.91	3.52	0.98	20.56	9.16	3.18
2400	16.28	33.52	17.52	18.26	3.59	0.98	20.62	9.31	3.22
2500	15.95	34.02	15.66	18.37	3.91	0.99	20.55	9.18	3.20
2600	15.69	34.40	14.07	18.44	4.15	1.01	20.65	9.20	3.38
2700	15.40	34.43	12.55	18.06	4.23	1.02	20.70	9.30	3.36
2800	14.96	34.91	10.85	18.66	4.57	1.05	20.79	9.31	3.48
2900	14.53	34.82	9.57	18.76	4.61	1.08	20.69	9.25	3.55
3000	14.20	35.30	8.62	18.93	4.90	1.11	20.62	9.17	3.55
3100	13.70	35.53	7.60	20.05	5.12	1.15	20.68	9.15	3.67
3200	13.31	36.18	6.86	20.30	5.53	1.19	20.52	9.14	3.70
3300	12.80	36.34	6.12	20.62	5.69	1.23	20.24	8.66	3.82
3400	12.30	36.67	5.49	21.64	5.95	1.27	20.68	9.18	3.99
3600	11.34	37.61	4.50	22.91	6.65	1.34	20.77	9.23	4.31
3800	10.39	38.12	3.73	23.27	7.03	1.41	21.10	9.54	4.60
4000	9.46	38.97	3.19	22.50	7.77	1.47	20.99	9.45	5.00
4200	8.64	39.29	2.73	22.21	7.95	1.52	21.06	9.55	5.37
4400	7.87	38.23	2.47	21.69	7.12	1.55	21.13	9.73	5.75
4600	7.15	38.06	2.28	20.57	7.12	1.58	21.13	9.97	6.21
4800	6.55	38.58	2.07	19.21	7.45	1.60	21.25	10.31	6.46
5000	5.96	35.00	1.86	17.89	4.83	1.63	21.07	10.81	6.88
5200	5.22	36.84	1.88	15.93	6.42	1.61	20.74	10.52	7.40
5400	4.05	40.68	1.92	14.07	11.49	1.58	19.93	9.83	7.92

## 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 = 33.02mA @ 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)
400	11.02	41.27	3.76	12.15	8.74	1.34	21.92	9.50	4.08
500	13.36	39.25	5.92	15.41	7.07	1.22	23.32	11.48	4.40
600	14.76	37.44	8.81	18.43	5.82	1.12	24.22	11.55	3.59
700	15.63	36.33	12.42	21.23	5.10	1.04	24.21	11.62	3.75
800	16.23	35.50	17.34	24.43	4.54	1.00	23.73	11.37	3.20
900	16.61	34.80	24.59	27.92	4.10	0.99	23.64	11.49	3.15
1000	16.90	34.37	31.26	30.44	3.80	0.98	22.75	10.86	3.10
1100	17.08	34.05	24.45	31.17	3.58	0.98	22.88	11.06	3.18
1200	17.22	33.84	20.97	30.34	3.43	0.99	22.51	10.71	3.16
1300	17.33	33.69	19.22	29.46	3.32	0.99	22.31	10.58	3.14
1400	17.40	33.57	18.07	28.58	3.24	0.99	22.31	10.63	3.16
1500	17.41	33.47	17.36	27.13	3.18	0.99	21.88	10.21	3.13
1600	17.45	33.59	17.05	25.65	3.20	0.99	21.90	10.26	3.11
1700	17.43	33.55	17.45	24.99	3.20	0.99	21.58	9.98	3.13
1800	17.38	33.52	17.96	23.71	3.21	0.99	21.71	10.03	3.18
1900	17.31	33.60	18.84	22.39	3.27	0.99	21.55	9.86	3.12
2000	17.21	33.70	19.63	21.47	3.34	0.98	21.12	9.51	3.17
2100	17.09	33.80	20.20	20.82	3.43	0.98	21.27	9.60	3.11
2200	16.94	33.98	20.04	20.18	3.55	0.98	20.81	9.30	3.10
2300	16.76	34.08	19.25	19.62	3.65	0.98	21.01	9.44	3.14
2400	16.60	34.24	17.28	19.21	3.76	0.99	21.14	9.61	3.17
2500	16.25	34.81	15.42	19.55	4.13	1.00	21.03	9.48	3.17
2600	15.97	35.32	13.79	19.79	4.46	1.02	21.14	9.51	3.35
2700	15.66	35.46	12.28	19.60	4.60	1.04	21.23	9.60	3.35
2800	15.20	35.99	10.63	20.59	5.02	1.07	21.29	9.62	3.45
2900	14.77	36.03	9.37	20.82	5.12	1.10	21.15	9.53	3.54
3000	14.42	36.59	8.42	21.24	5.50	1.13	21.07	9.48	3.48
3100	13.89	36.95	7.42	22.94	5.84	1.17	21.12	9.47	3.66
3200	13.49	37.74	6.70	23.30	6.42	1.20	21.03	9.46	3.67
3300	12.95	37.94	5.95	24.33	6.64	1.25	20.68	9.00	3.76
3400	12.47	38.39	5.38	26.42	7.03	1.28	21.18	9.49	3.94
3600	11.49	39.58	4.38	28.47	8.07	1.36	21.32	9.56	4.25
3800	10.53	40.20	3.64	29.45	8.64	1.43	21.70	9.89	4.55
4000	9.62	41.42	3.11	28.80	9.95	1.49	21.58	9.75	4.97
4200	8.80	41.86	2.66	28.62	10.29	1.54	21.67	9.81	5.32
4400	8.06	40.52	2.40	27.37	8.89	1.57	21.79	10.05	5.73
4600	7.38	40.22	2.21	25.17	8.69	1.60	21.86	10.26	6.10
4800	6.80	41.11	2.00	22.96	9.52	1.62	22.06	10.56	6.43
5000	6.25	36.09	1.78	20.79	5.13	1.65	22.29	11.09	6.78
5200	5.57	38.41	1.79	18.16	7.22	1.64	22.08	10.83	7.26
5400	4.46	42.69	1.79	15.84	13.30	1.62	21.49	10.23	7.76

## 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 = 34.94mA @ 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)
400	10.08	40.88	4.03	11.57	9.62	1.31	21.59	9.59	5.59
500	12.47	38.88	6.24	15.08	7.66	1.20	23.00	11.71	5.25
600	13.92	37.17	9.21	18.45	6.30	1.10	23.96	11.89	4.85
700	14.80	36.03	12.88	21.90	5.45	1.04	23.97	11.97	4.63
800	15.37	35.16	17.59	25.64	4.83	1.01	23.56	11.74	4.55
900	15.74	34.52	23.21	29.92	4.38	0.99	23.46	11.84	4.47
1000	16.01	34.08	24.95	35.64	4.05	0.99	22.60	11.23	4.44
1100	16.17	33.76	21.61	38.14	3.82	0.99	22.71	11.38	4.51
1200	16.29	33.56	19.14	33.28	3.67	0.99	22.34	11.03	4.47
1300	16.36	33.40	17.69	29.96	3.56	1.00	22.12	10.86	4.42
1400	16.40	33.28	16.84	27.60	3.48	1.00	22.11	10.88	4.47
1500	16.39	33.18	16.42	25.66	3.43	1.00	21.74	10.47	4.44
1600	16.41	33.32	16.38	24.29	3.47	1.00	21.72	10.47	4.49
1700	16.35	33.23	16.93	23.50	3.47	1.00	21.47	10.25	4.49
1800	16.29	33.19	17.52	22.52	3.48	0.99	21.53	10.22	4.49
1900	16.19	33.31	18.46	21.83	3.57	0.99	21.35	10.07	4.46
2000	16.07	33.36	19.40	21.19	3.65	0.99	20.99	9.76	4.53
2100	15.93	33.45	20.22	20.56	3.75	0.98	21.11	9.81	4.50
2200	15.75	33.67	20.20	20.03	3.91	0.98	20.74	9.61	4.51
2300	15.55	33.76	19.18	19.48	4.03	0.99	20.89	9.67	4.57
2400	15.35	33.87	17.12	19.03	4.15	0.99	20.99	9.80	4.64
2500	14.98	34.45	15.17	19.15	4.57	1.01	20.90	9.67	4.60
2600	14.69	34.96	13.61	19.26	4.93	1.02	20.92	9.61	4.79
2700	14.34	35.04	12.04	19.22	5.08	1.04	21.03	9.72	4.82
2800	13.88	35.35	10.50	19.77	5.39	1.07	21.09	9.77	4.93
2900	13.49	35.81	9.39	20.00	5.77	1.10	20.94	9.70	5.03
3000	13.05	36.15	8.37	20.34	6.10	1.13	20.83	9.58	5.04
3100	12.54	36.57	7.41	21.47	6.51	1.17	20.85	9.51	5.19
3200	12.10	37.15	6.70	21.69	7.02	1.20	20.88	9.62	5.28
3300	11.58	37.41	6.03	22.22	7.33	1.24	20.56	9.15	5.41
3400	11.09	37.98	5.40	23.32	7.86	1.28	21.01	9.62	5.60
3600	10.16	38.89	4.55	24.57	8.86	1.34	21.16	9.73	5.92
3800	9.25	39.49	3.87	24.86	9.57	1.40	21.51	10.04	6.30
4000	8.36	40.32	3.38	24.81	10.69	1.45	21.51	10.00	6.68
4200	7.51	40.74	2.97	24.37	11.33	1.50	21.59	10.10	7.17
4400	6.74	39.50	2.71	23.39	10.05	1.53	21.69	10.29	7.64
4600	6.01	39.22	2.56	21.56	10.11	1.54	21.87	10.60	8.11
4800	5.34	40.23	2.38	19.37	11.55	1.56	21.92	10.76	8.51
5000	4.66	36.03	2.19	17.84	7.16	1.58	22.24	11.31	8.97
5200	3.76	37.26	2.27	15.55	9.25	1.55	21.65	10.74	9.53
5400	2.18	40.79	2.24	13.76	16.30	1.53	20.35	9.54	10.19

## 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 = 3.90V, Id = 34.09mA @ 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)
400	9.86	40.93	4.07	11.44	9.96	1.30	20.99	9.20	5.64
500	12.21	38.86	6.27	14.68	7.87	1.20	22.43	11.33	5.29
600	13.62	37.11	9.20	17.68	6.45	1.10	23.33	11.58	4.86
700	14.47	35.95	12.77	20.62	5.59	1.04	23.33	11.66	4.64
800	15.02	35.07	17.22	23.62	4.95	1.01	22.96	11.43	4.52
900	15.38	34.40	22.05	26.71	4.49	0.99	22.87	11.53	4.48
1000	15.63	33.93	23.90	30.36	4.15	0.99	22.06	10.94	4.45
1100	15.78	33.58	21.45	34.86	3.92	0.99	22.14	11.08	4.53
1200	15.89	33.35	19.27	36.59	3.76	0.99	21.80	10.72	4.49
1300	15.94	33.15	17.90	33.48	3.63	1.00	21.58	10.55	4.49
1400	15.97	32.99	17.12	30.19	3.55	1.00	21.54	10.56	4.51
1500	15.96	32.86	16.68	27.58	3.49	1.00	21.19	10.15	4.49
1600	15.97	32.96	16.65	25.33	3.51	1.00	21.21	10.14	4.52
1700	15.90	32.80	17.19	24.18	3.48	1.00	20.91	9.92	4.53
1800	15.84	32.71	17.75	22.83	3.47	0.99	20.99	9.87	4.52
1900	15.75	32.77	18.63	21.73	3.54	0.99	20.81	9.71	4.50
2000	15.63	32.76	19.55	20.79	3.59	0.99	20.46	9.40	4.54
2100	15.49	32.78	20.29	19.91	3.65	0.98	20.57	9.44	4.53
2200	15.32	32.92	20.19	19.14	3.78	0.98	20.18	9.23	4.52
2300	15.13	32.94	19.18	18.42	3.85	0.98	20.32	9.26	4.60
2400	14.93	33.05	17.18	17.70	3.95	0.99	20.38	9.38	4.63
2500	14.59	33.50	15.31	17.55	4.27	1.00	20.29	9.24	4.64
2600	14.31	33.85	13.73	17.46	4.53	1.01	20.32	9.17	4.83
2700	13.98	33.87	12.16	17.19	4.62	1.03	20.42	9.27	4.84
2800	13.54	34.12	10.61	17.37	4.87	1.05	20.48	9.32	4.96
2900	13.17	34.43	9.50	17.43	5.11	1.08	20.33	9.22	5.02
3000	12.73	34.68	8.46	17.50	5.34	1.11	20.24	9.11	5.09
3100	12.25	35.04	7.50	18.15	5.65	1.15	20.25	9.04	5.26
3200	11.82	35.46	6.77	18.20	5.98	1.18	20.24	9.15	5.31
3300	11.30	35.64	6.09	18.32	6.18	1.22	19.96	8.71	5.44
3400	10.84	36.07	5.46	18.91	6.51	1.26	20.37	9.16	5.65
3600	9.90	36.82	4.59	19.56	7.21	1.33	20.52	9.28	6.00
3800	8.98	37.27	3.91	19.62	7.65	1.39	20.87	9.55	6.36
4000	8.08	37.86	3.41	19.26	8.32	1.44	20.85	9.57	6.79
4200	7.22	38.22	2.99	18.80	8.73	1.48	20.96	9.67	7.21
4400	6.42	37.25	2.73	18.20	8.02	1.51	21.09	9.86	7.76
4600	5.65	37.03	2.58	17.13	8.13	1.52	21.23	10.17	8.23
4800	4.93	37.79	2.41	15.78	9.05	1.54	21.27	10.32	8.64
5000	4.21	35.12	2.23	14.76	6.77	1.55	21.46	10.79	9.05
5200	3.23	36.01	2.32	13.17	8.43	1.52	20.88	10.14	9.65
5400	1.60	38.72	2.31	11.72	13.60	1.49	19.61	8.83	10.29



## 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 = 35.05mA @ 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)
400	10.10	40.86	4.03	11.59	9.58	1.31	21.65	9.63	5.59
500	12.50	38.87	6.23	15.15	7.63	1.21	23.02	11.74	5.27
600	13.95	37.16	9.21	18.60	6.28	1.11	24.02	11.93	4.84
700	14.84	36.03	12.89	22.11	5.43	1.04	24.03	12.00	4.53
800	15.41	35.17	17.67	25.90	4.81	1.01	23.63	11.77	4.52
900	15.79	34.54	23.40	30.15	4.36	0.99	23.52	11.87	4.44
1000	16.06	34.09	25.11	34.70	4.04	0.99	22.66	11.26	4.38
1100	16.22	33.78	21.55	34.78	3.81	0.99	22.75	11.42	4.51
1200	16.34	33.58	19.08	31.25	3.66	0.99	22.42	11.05	4.44
1300	16.42	33.43	17.62	28.67	3.55	1.00	22.18	10.89	4.45
1400	16.45	33.32	16.77	26.68	3.47	1.00	22.18	10.91	4.43
1500	16.45	33.23	16.34	24.99	3.43	1.00	21.80	10.51	4.43
1600	16.47	33.38	16.30	23.83	3.47	1.00	21.79	10.50	4.50
1700	16.41	33.30	16.84	23.14	3.47	1.00	21.52	10.30	4.49
1800	16.34	33.27	17.43	22.27	3.49	0.99	21.58	10.26	4.49
1900	16.25	33.40	18.37	21.69	3.58	0.99	21.41	10.10	4.45
2000	16.13	33.46	19.33	21.14	3.67	0.99	21.05	9.79	4.47
2100	15.99	33.57	20.14	20.58	3.77	0.99	21.16	9.85	4.49
2200	15.80	33.80	20.11	20.12	3.95	0.99	20.81	9.64	4.49
2300	15.60	33.91	19.09	19.62	4.08	0.99	20.96	9.71	4.55
2400	15.39	34.04	17.02	19.28	4.20	0.99	21.06	9.84	4.59
2500	15.02	34.63	15.13	19.44	4.63	1.01	20.96	9.71	4.59
2600	14.73	35.16	13.55	19.59	5.02	1.02	20.98	9.66	4.76
2700	14.37	35.27	11.99	19.62	5.19	1.04	21.12	9.79	4.78
2800	13.91	35.59	10.45	20.28	5.52	1.07	21.20	9.83	4.97
2900	13.52	36.08	9.36	20.53	5.93	1.10	21.02	9.74	4.98
3000	13.07	36.44	8.34	20.93	6.28	1.13	20.92	9.62	5.03
3100	12.56	36.88	7.39	22.14	6.71	1.17	20.93	9.57	5.17
3200	12.12	37.49	6.68	22.38	7.28	1.20	20.96	9.67	5.26
3300	11.59	37.75	6.01	23.03	7.61	1.24	20.62	9.21	5.39
3400	11.12	38.34	5.40	24.20	8.16	1.28	21.10	9.68	5.58
3600	10.17	39.34	4.55	25.37	9.31	1.35	21.24	9.79	5.94
3800	9.26	39.96	3.87	25.63	10.09	1.41	21.61	10.08	6.26
4000	8.37	40.84	3.38	25.80	11.34	1.45	21.54	10.05	6.77
4200	7.53	41.29	2.96	25.49	12.02	1.50	21.65	10.14	7.14
4400	6.76	39.88	2.71	24.47	10.46	1.53	21.72	10.33	7.69
4600	6.03	39.59	2.55	22.46	10.49	1.55	21.91	10.63	8.10
4800	5.37	40.65	2.38	20.07	12.07	1.56	21.96	10.80	8.50
5000	4.71	36.08	2.18	18.40	7.16	1.58	22.27	11.37	8.96
5200	3.82	37.38	2.26	15.96	9.33	1.56	21.61	10.78	9.59
5400	2.25	41.23	2.23	14.14	17.05	1.54	20.27	9.63	10.23

## 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 = 2.80V, Id = 32.51mA @ 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)
400	9.86	41.22	4.01	11.50	10.21	1.31	19.83	8.42	5.09
500	12.11	39.04	6.22	14.15	8.06	1.20	21.11	10.13	5.16
600	13.43	37.20	9.10	16.31	6.59	1.10	21.83	10.50	4.41
700	14.22	36.03	12.54	18.20	5.74	1.04	21.86	10.63	4.16
800	14.74	35.12	16.70	19.92	5.10	1.00	21.67	10.53	4.07
900	15.06	34.42	21.19	21.32	4.63	0.99	21.57	10.60	4.00
1000	15.30	33.89	23.85	22.56	4.27	0.98	21.00	10.16	3.95
1100	15.44	33.49	22.41	23.58	4.02	0.98	21.04	10.29	4.07
1200	15.53	33.19	20.37	24.28	3.84	0.99	20.76	9.99	4.02
1300	15.59	32.94	18.96	24.40	3.70	0.99	20.57	9.86	3.99
1400	15.61	32.71	18.09	24.07	3.59	0.99	20.51	9.84	3.98
1500	15.60	32.51	17.60	23.44	3.50	0.99	20.23	9.48	3.99
1600	15.60	32.51	17.31	22.15	3.49	0.99	20.24	9.47	4.03
1700	15.54	32.31	17.73	21.31	3.44	0.99	19.96	9.24	4.04
1800	15.47	32.13	18.11	20.37	3.39	0.98	20.10	9.22	4.05
1900	15.39	32.08	18.70	19.36	3.40	0.98	19.91	9.07	3.99
2000	15.28	32.00	19.27	18.53	3.41	0.98	19.64	8.78	4.04
2100	15.16	31.94	19.69	17.80	3.43	0.97	19.71	8.79	4.02
2200	15.00	31.97	19.45	17.08	3.49	0.97	19.31	8.58	4.01
2300	14.84	31.88	18.58	16.41	3.51	0.97	19.44	8.61	4.05
2400	14.66	31.93	16.76	15.61	3.56	0.97	19.41	8.69	4.12
2500	14.35	32.23	15.19	15.36	3.77	0.98	19.39	8.58	4.11
2600	14.09	32.39	13.67	15.18	3.91	0.99	19.45	8.53	4.30
2700	13.79	32.28	12.17	14.75	3.91	1.00	19.45	8.58	4.32
2800	13.38	32.61	10.62	14.86	4.14	1.03	19.54	8.62	4.46
2900	12.99	32.58	9.44	14.79	4.19	1.05	19.44	8.56	4.55
3000	12.62	32.76	8.45	14.62	4.31	1.08	19.39	8.47	4.58
3100	12.13	32.96	7.45	14.92	4.48	1.12	19.42	8.42	4.69
3200	11.72	33.34	6.70	14.80	4.69	1.16	19.32	8.49	4.76
3300	11.21	33.39	6.04	14.58	4.77	1.19	19.18	8.10	4.88
3400	10.75	33.57	5.42	14.79	4.88	1.23	19.47	8.51	5.08
3600	9.78	34.21	4.47	14.82	5.28	1.30	19.56	8.61	5.42
3800	8.83	34.58	3.81	14.55	5.56	1.36	19.91	8.89	5.79
4000	7.89	34.90	3.31	14.09	5.84	1.40	19.90	8.86	6.18
4200	7.01	35.29	2.87	13.65	6.09	1.44	19.99	8.96	6.62
4400	6.17	34.50	2.63	13.30	5.71	1.47	20.07	9.10	7.07
4600	5.34	34.25	2.47	12.73	5.74	1.48	20.08	9.36	7.54
4800	4.61	34.87	2.26	11.99	6.14	1.50	20.17	9.49	7.92
5000	3.85	32.94	2.12	11.40	5.04	1.50	20.01	9.67	8.34
5200	2.87	34.13	2.19	10.47	6.43	1.47	19.61	9.11	8.92
5400	1.35	36.56	2.25	9.43	10.09	1.42	18.74	7.93	9.50

## 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 = 2.66V, Id = 32.36mA @ 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)
400	9.77	41.24	4.02	11.45	10.35	1.30	19.41	8.04	5.08
500	12.01	39.04	6.23	14.03	8.15	1.20	20.67	9.59	5.14
600	13.31	37.19	9.10	16.11	6.67	1.10	21.37	10.02	4.42
700	14.10	36.02	12.52	17.92	5.80	1.04	21.42	10.22	4.20
800	14.61	35.11	16.60	19.52	5.15	1.00	21.28	10.16	4.07
900	14.93	34.40	20.91	20.81	4.68	0.99	21.17	10.23	4.05
1000	15.16	33.87	23.43	21.91	4.32	0.98	20.67	9.88	3.99
1100	15.30	33.46	22.23	22.81	4.07	0.98	20.71	9.96	4.07
1200	15.39	33.15	20.33	23.40	3.88	0.99	20.44	9.73	4.00
1300	15.44	32.89	18.97	23.49	3.73	0.99	20.27	9.60	4.01
1400	15.46	32.65	18.13	23.22	3.62	0.99	20.21	9.56	4.01
1500	15.45	32.45	17.64	22.69	3.54	0.99	19.94	9.26	4.01
1600	15.44	32.44	17.35	21.55	3.52	0.99	19.96	9.26	4.03
1700	15.38	32.22	17.79	20.79	3.46	0.99	19.69	9.02	4.02
1800	15.31	32.03	18.15	19.93	3.41	0.98	19.83	9.02	4.05
1900	15.23	31.97	18.70	18.98	3.42	0.98	19.66	8.87	4.06
2000	15.12	31.88	19.25	18.18	3.43	0.98	19.39	8.60	4.04
2100	15.00	31.81	19.61	17.48	3.44	0.97	19.46	8.61	4.06
2200	14.84	31.82	19.31	16.78	3.49	0.97	19.07	8.40	4.03
2300	14.68	31.72	18.44	16.13	3.50	0.97	19.20	8.44	4.07
2400	14.50	31.79	16.61	15.35	3.56	0.97	19.16	8.49	4.14
2500	14.20	32.05	15.06	15.09	3.76	0.98	19.14	8.40	4.12
2600	13.93	32.18	13.58	14.88	3.87	0.99	19.20	8.33	4.33
2700	13.64	32.07	12.08	14.45	3.88	1.00	19.19	8.39	4.34
2800	13.23	32.40	10.55	14.54	4.10	1.03	19.26	8.42	4.47
2900	12.85	32.36	9.38	14.46	4.14	1.05	19.17	8.37	4.58
3000	12.48	32.51	8.40	14.24	4.25	1.08	19.12	8.28	4.56
3100	11.99	32.73	7.40	14.51	4.41	1.12	19.15	8.22	4.72
3200	11.58	33.07	6.66	14.36	4.60	1.15	19.04	8.29	4.75
3300	11.07	33.13	6.00	14.13	4.68	1.18	18.90	7.91	4.91
3400	10.61	33.30	5.38	14.31	4.78	1.22	19.17	8.30	5.07
3600	9.64	33.90	4.44	14.30	5.15	1.30	19.28	8.41	5.38
3800	8.68	34.26	3.78	14.00	5.41	1.35	19.60	8.69	5.81
4000	7.74	34.58	3.29	13.55	5.68	1.39	19.60	8.66	6.18
4200	6.85	34.97	2.86	13.12	5.92	1.44	19.72	8.75	6.68
4400	6.00	34.21	2.62	12.77	5.58	1.46	19.78	8.87	7.14
4600	5.16	33.98	2.46	12.21	5.62	1.47	19.77	9.07	7.56
4800	4.42	34.60	2.26	11.51	6.03	1.48	19.84	9.20	7.94
5000	3.64	32.84	2.13	10.94	5.06	1.49	19.65	9.31	8.43
5200	2.64	34.02	2.20	10.06	6.44	1.45	19.30	8.71	8.91
5400	1.11	36.38	2.25	9.08	10.04	1.41	18.38	7.50	9.58

## 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 = 3.30V, Id = 33.37mA @ 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)
400	10.17	41.21	3.96	11.63	9.79	1.31	20.80	9.09	5.03
500	12.45	39.08	6.17	14.49	7.78	1.20	22.15	11.04	5.04
600	13.79	37.26	9.07	16.90	6.39	1.10	22.90	11.26	4.35
700	14.60	36.11	12.59	19.09	5.57	1.04	22.89	11.35	4.10
800	15.14	35.23	16.97	21.22	4.95	1.00	22.59	11.15	4.00
900	15.48	34.53	22.09	23.13	4.49	0.99	22.44	11.22	3.98
1000	15.73	34.03	25.48	25.02	4.15	0.98	21.75	10.66	3.88
1100	15.88	33.65	23.35	26.80	3.91	0.99	21.80	10.81	3.99
1200	15.99	33.37	20.82	28.19	3.73	0.99	21.47	10.47	3.97
1300	16.06	33.14	19.22	28.44	3.60	0.99	21.28	10.32	3.95
1400	16.09	32.94	18.27	27.65	3.49	0.99	21.21	10.31	3.94
1500	16.08	32.77	17.74	26.31	3.42	0.99	20.88	9.90	3.96
1600	16.10	32.79	17.43	24.25	3.41	0.99	20.89	9.90	3.99
1700	16.04	32.62	17.90	23.07	3.37	0.99	20.59	9.64	3.97
1800	15.98	32.46	18.33	21.79	3.34	0.99	20.71	9.62	4.00
1900	15.90	32.45	19.02	20.57	3.36	0.98	20.52	9.46	3.94
2000	15.79	32.40	19.72	19.60	3.38	0.98	20.21	9.14	4.01
2100	15.67	32.38	20.31	18.78	3.42	0.97	20.30	9.19	3.97
2200	15.52	32.44	20.12	18.00	3.49	0.97	19.90	8.94	3.98
2300	15.35	32.38	19.24	17.28	3.52	0.97	20.03	8.99	3.98
2400	15.18	32.45	17.20	16.46	3.58	0.97	20.05	9.10	4.07
2500	14.86	32.80	15.52	16.26	3.82	0.98	20.00	8.98	4.05
2600	14.59	33.03	13.92	16.13	4.00	1.00	20.07	8.95	4.25
2700	14.29	32.95	12.37	15.72	4.02	1.01	20.10	9.02	4.29
2800	13.87	33.32	10.77	15.96	4.28	1.04	20.19	9.04	4.38
2900	13.48	33.32	9.57	15.96	4.35	1.06	20.09	9.00	4.47
3000	13.10	33.54	8.55	15.84	4.50	1.09	20.02	8.91	4.51
3100	12.60	33.77	7.54	16.30	4.70	1.13	20.06	8.86	4.65
3200	12.19	34.21	6.78	16.26	4.96	1.17	19.95	8.93	4.65
3300	11.69	34.29	6.11	16.09	5.07	1.20	19.76	8.49	4.79
3400	11.22	34.49	5.48	16.43	5.20	1.24	20.10	8.98	5.00
3600	10.25	35.21	4.52	16.65	5.69	1.31	20.22	9.08	5.35
3800	9.31	35.65	3.85	16.46	6.04	1.37	20.55	9.35	5.67
4000	8.39	36.03	3.35	15.98	6.40	1.42	20.53	9.31	6.07
4200	7.52	36.43	2.90	15.55	6.68	1.47	20.64	9.41	6.54
4400	6.70	35.55	2.64	15.19	6.18	1.49	20.75	9.58	6.97
4600	5.90	35.28	2.47	14.55	6.18	1.51	20.77	9.84	7.42
4800	5.19	35.90	2.26	13.69	6.63	1.53	20.87	10.05	7.81
5000	4.47	33.47	2.10	13.01	5.09	1.54	20.84	10.48	8.21
5200	3.53	34.77	2.18	11.89	6.58	1.51	20.59	9.94	8.82
5400	2.06	37.65	2.22	10.64	10.82	1.47	19.87	8.79	9.37

## 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 = 2.80V, Id = 31.58mA @ 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)
400	10.32	41.41	3.88	11.88	9.77	1.33	19.97	8.53	4.20
500	12.54	39.22	6.05	14.54	7.75	1.21	21.16	10.30	4.58
600	13.85	37.35	8.86	16.80	6.35	1.11	21.83	10.57	3.63
700	14.64	36.18	12.22	18.77	5.55	1.04	21.83	10.67	3.39
800	15.18	35.29	16.42	20.79	4.95	1.01	21.61	10.53	3.29
900	15.52	34.56	21.31	22.85	4.47	0.99	21.49	10.59	3.24
1000	15.77	34.06	24.73	24.89	4.14	0.98	20.97	10.11	3.20
1100	15.93	33.66	23.47	26.68	3.90	0.98	20.97	10.25	3.27
1200	16.04	33.37	21.30	28.26	3.72	0.99	20.70	9.96	3.22
1300	16.12	33.13	19.83	28.64	3.58	0.99	20.53	9.86	3.20
1400	16.15	32.91	18.71	27.69	3.46	0.99	20.46	9.86	3.23
1500	16.15	32.72	18.01	26.37	3.38	0.99	20.18	9.52	3.22
1600	16.17	32.74	17.62	24.45	3.37	0.99	20.20	9.53	3.24
1700	16.12	32.55	17.92	23.18	3.32	0.99	19.94	9.29	3.26
1800	16.07	32.40	18.30	21.64	3.28	0.99	20.09	9.30	3.24
1900	16.00	32.33	18.91	20.27	3.28	0.98	19.92	9.15	3.25
2000	15.90	32.29	19.35	19.25	3.30	0.98	19.65	8.85	3.24
2100	15.79	32.24	19.63	18.47	3.32	0.97	19.75	8.90	3.23
2200	15.66	32.26	19.23	17.63	3.36	0.97	19.33	8.65	3.22
2300	15.51	32.19	18.48	16.96	3.38	0.97	19.47	8.73	3.24
2400	15.35	32.25	16.84	16.19	3.43	0.97	19.44	8.83	3.30
2500	15.05	32.60	15.19	15.99	3.65	0.98	19.42	8.72	3.29
2600	14.81	32.77	13.74	15.81	3.77	0.99	19.50	8.71	3.45
2700	14.53	32.68	12.31	15.30	3.79	1.00	19.47	8.76	3.46
2800	14.12	33.06	10.71	15.43	4.03	1.03	19.53	8.78	3.56
2900	13.70	32.86	9.45	15.34	4.01	1.06	19.47	8.71	3.64
3000	13.40	33.19	8.53	15.25	4.17	1.09	19.43	8.64	3.64
3100	12.92	33.35	7.54	15.72	4.31	1.13	19.46	8.61	3.79
3200	12.54	33.76	6.81	15.65	4.53	1.16	19.30	8.62	3.84
3300	12.04	33.86	6.07	15.55	4.61	1.20	19.20	8.23	3.92
3400	11.56	34.03	5.45	15.84	4.73	1.24	19.43	8.61	4.12
3600	10.59	34.66	4.46	16.02	5.09	1.31	19.51	8.71	4.42
3800	9.62	35.01	3.71	15.81	5.29	1.38	19.77	9.00	4.70
4000	8.67	35.53	3.18	15.22	5.63	1.43	19.77	8.95	5.18
4200	7.82	35.79	2.72	14.85	5.71	1.48	19.89	9.01	5.57
4400	7.01	35.03	2.48	14.48	5.34	1.50	19.97	9.24	5.95
4600	6.22	34.86	2.31	13.88	5.37	1.52	19.93	9.46	6.34
4800	5.56	35.34	2.10	13.09	5.57	1.54	20.05	9.71	6.72
5000	4.88	33.42	1.93	12.37	4.46	1.55	19.81	10.02	7.08
5200	4.03	34.93	1.96	11.27	5.73	1.52	19.63	9.66	7.54
5400	2.72	37.41	2.02	10.16	8.87	1.48	19.09	8.84	8.06

## 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 = 2.66V, Id = 31.48mA @ 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)
400	10.26	41.44	3.89	11.83	9.88	1.32	19.58	8.23	4.22
500	12.45	39.23	6.05	14.40	7.83	1.21	20.78	9.84	4.62
600	13.75	37.36	8.85	16.56	6.43	1.11	21.41	10.20	3.61
700	14.53	36.19	12.19	18.42	5.62	1.04	21.43	10.35	3.46
800	15.06	35.30	16.29	20.28	5.01	1.01	21.26	10.23	3.31
900	15.40	34.56	21.00	22.14	4.53	0.99	21.14	10.29	3.29
1000	15.64	34.04	24.41	23.93	4.19	0.98	20.66	9.87	3.23
1100	15.79	33.64	23.49	25.43	3.94	0.98	20.66	10.00	3.29
1200	15.90	33.33	21.47	26.69	3.76	0.99	20.41	9.74	3.26
1300	15.98	33.08	20.04	27.01	3.61	0.99	20.25	9.63	3.27
1400	16.01	32.85	18.92	26.30	3.50	0.99	20.18	9.62	3.26
1500	16.00	32.65	18.22	25.30	3.41	0.99	19.94	9.31	3.25
1600	16.02	32.65	17.82	23.68	3.40	0.99	19.94	9.31	3.26
1700	15.97	32.45	18.13	22.53	3.34	0.99	19.70	9.10	3.27
1800	15.92	32.29	18.50	21.13	3.30	0.98	19.85	9.12	3.30
1900	15.85	32.19	19.10	19.85	3.28	0.98	19.69	8.98	3.24
2000	15.75	32.14	19.52	18.88	3.30	0.98	19.43	8.70	3.27
2100	15.64	32.08	19.73	18.13	3.31	0.97	19.52	8.74	3.27
2200	15.51	32.07	19.27	17.30	3.34	0.97	19.12	8.50	3.23
2300	15.36	31.98	18.46	16.63	3.35	0.97	19.25	8.57	3.24
2400	15.20	32.05	16.76	15.86	3.40	0.97	19.21	8.65	3.33
2500	14.91	32.36	15.16	15.63	3.60	0.98	19.20	8.57	3.31
2600	14.67	32.49	13.66	15.42	3.71	0.99	19.27	8.54	3.47
2700	14.39	32.39	12.25	14.89	3.71	1.00	19.23	8.57	3.52
2800	13.99	32.76	10.67	14.98	3.94	1.03	19.29	8.59	3.58
2900	13.58	32.56	9.42	14.88	3.92	1.05	19.24	8.57	3.65
3000	13.28	32.85	8.50	14.74	4.06	1.08	19.21	8.50	3.69
3100	12.80	33.01	7.51	15.15	4.19	1.12	19.25	8.44	3.78
3200	12.42	33.38	6.77	15.03	4.38	1.15	19.09	8.46	3.85
3300	11.91	33.47	6.02	14.90	4.45	1.19	18.99	8.04	4.00
3400	11.44	33.63	5.41	15.13	4.56	1.23	19.20	8.47	4.12
3600	10.47	34.21	4.43	15.23	4.88	1.31	19.27	8.55	4.44
3800	9.49	34.56	3.68	14.98	5.06	1.37	19.53	8.81	4.76
4000	8.54	35.06	3.14	14.40	5.35	1.42	19.54	8.78	5.24
4200	7.68	35.31	2.70	14.03	5.43	1.47	19.64	8.86	5.62
4400	6.85	34.60	2.45	13.67	5.10	1.50	19.71	9.04	5.95
4600	6.05	34.45	2.30	13.11	5.15	1.51	19.67	9.20	6.46
4800	5.37	34.90	2.09	12.39	5.33	1.53	19.75	9.45	6.76
5000	4.67	33.18	1.93	11.73	4.39	1.54	19.39	9.65	7.13
5200	3.81	34.62	1.96	10.72	5.61	1.51	19.26	9.26	7.57
5400	2.49	36.99	2.02	9.71	8.57	1.46	18.69	8.43	8.15

## 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 = 3.30V, Id = 32.24mA @ 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)
400	10.65	41.35	3.81	12.01	9.25	1.33	20.89	9.02	4.13
500	12.91	39.22	5.97	14.91	7.42	1.22	22.16	11.00	4.49
600	14.25	37.39	8.80	17.47	6.11	1.11	22.92	11.16	3.62
700	15.06	36.25	12.24	19.80	5.35	1.05	22.89	11.21	3.38
800	15.62	35.38	16.64	22.38	4.77	1.01	22.58	10.98	3.24
900	15.97	34.67	22.26	25.31	4.32	0.99	22.46	11.09	3.22
1000	16.24	34.19	27.12	28.63	4.00	0.98	21.78	10.48	3.15
1100	16.40	33.82	24.81	32.53	3.77	0.98	21.79	10.67	3.21
1200	16.53	33.55	21.91	38.56	3.60	0.99	21.50	10.35	3.19
1300	16.62	33.34	20.17	40.74	3.47	0.99	21.33	10.20	3.16
1400	16.67	33.15	18.95	34.74	3.37	0.99	21.26	10.24	3.17
1500	16.67	32.99	18.19	30.45	3.29	0.99	20.92	9.81	3.16
1600	16.70	33.03	17.77	27.01	3.29	0.99	20.93	9.84	3.22
1700	16.66	32.88	18.12	25.32	3.25	0.99	20.63	9.57	3.21
1800	16.62	32.77	18.54	23.31	3.23	0.99	20.79	9.60	3.23
1900	16.55	32.73	19.26	21.60	3.23	0.98	20.62	9.44	3.14
2000	16.46	32.73	19.86	20.41	3.27	0.98	20.28	9.09	3.20
2100	16.34	32.73	20.30	19.54	3.30	0.98	20.39	9.17	3.16
2200	16.21	32.78	20.00	18.66	3.36	0.97	19.94	8.89	3.17
2300	16.05	32.75	19.25	17.94	3.40	0.97	20.12	8.99	3.18
2400	15.90	32.84	17.41	17.19	3.46	0.98	20.13	9.14	3.25
2500	15.60	33.25	15.66	17.11	3.72	0.99	20.08	8.99	3.24
2600	15.35	33.50	14.09	17.02	3.89	1.00	20.17	8.99	3.40
2700	15.06	33.45	12.61	16.54	3.92	1.01	20.20	9.07	3.40
2800	14.64	33.89	10.93	16.89	4.21	1.04	20.28	9.09	3.55
2900	14.22	33.70	9.65	16.91	4.20	1.07	20.21	9.07	3.57
3000	13.91	34.09	8.70	16.90	4.41	1.09	20.15	8.96	3.55
3100	13.41	34.27	7.67	17.66	4.58	1.14	20.21	8.91	3.69
3200	13.03	34.77	6.93	17.70	4.87	1.17	20.05	8.93	3.72
3300	12.54	34.90	6.18	17.73	4.98	1.21	19.85	8.46	3.83
3400	12.04	35.13	5.55	18.28	5.15	1.25	20.19	8.97	4.05
3600	11.08	35.86	4.55	18.84	5.63	1.32	20.26	9.01	4.32
3800	10.12	36.27	3.78	18.80	5.89	1.39	20.59	9.32	4.64
4000	9.18	36.92	3.24	18.13	6.37	1.45	20.56	9.24	5.03
4200	8.36	37.20	2.78	17.77	6.48	1.50	20.67	9.33	5.42
4400	7.55	36.18	2.50	17.41	5.84	1.53	20.73	9.55	5.79
4600	6.79	35.95	2.30	16.65	5.79	1.55	20.71	9.82	6.24
4800	6.17	36.50	2.11	15.63	6.12	1.57	20.91	10.17	6.56
5000	5.54	33.89	1.93	14.72	4.49	1.59	20.77	10.62	6.91
5200	4.75	35.47	1.93	13.28	5.75	1.57	20.57	10.27	7.42
5400	3.49	38.16	2.00	11.88	9.15	1.53	20.09	9.51	7.95

## 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 = 2.80V, Id = 32.54mA @ 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)
400	9.37	40.97	4.12	11.25	10.63	1.29	19.39	8.04	5.73
500	11.66	38.81	6.31	14.12	8.32	1.19	20.74	9.81	5.38
600	13.01	37.01	9.19	16.61	6.80	1.10	21.49	10.26	4.97
700	13.83	35.81	12.60	18.88	5.87	1.04	21.54	10.45	4.73
800	14.35	34.89	16.56	20.89	5.20	1.01	21.35	10.37	4.63
900	14.67	34.20	20.37	22.54	4.72	0.99	21.26	10.42	4.59
1000	14.90	33.69	21.94	23.97	4.37	0.99	20.67	10.01	4.55
1100	15.03	33.29	20.64	25.19	4.11	0.99	20.72	10.08	4.61
1200	15.11	33.01	19.03	25.92	3.93	0.99	20.42	9.82	4.58
1300	15.15	32.76	17.89	25.93	3.79	1.00	20.24	9.67	4.60
1400	15.16	32.55	17.19	25.37	3.69	1.00	20.19	9.63	4.56
1500	15.14	32.37	16.83	24.48	3.61	1.00	19.90	9.30	4.58
1600	15.13	32.40	16.77	23.01	3.62	1.00	19.91	9.29	4.60
1700	15.06	32.17	17.28	22.16	3.56	0.99	19.64	9.08	4.62
1800	14.99	32.01	17.76	21.07	3.53	0.99	19.75	9.04	4.60
1900	14.89	32.00	18.51	20.01	3.57	0.99	19.57	8.88	4.60
2000	14.77	31.92	19.18	19.10	3.58	0.98	19.29	8.61	4.62
2100	14.63	31.87	19.63	18.25	3.61	0.98	19.37	8.58	4.62
2200	14.47	31.93	19.39	17.47	3.69	0.97	18.98	8.40	4.63
2300	14.28	31.87	18.43	16.74	3.73	0.97	19.10	8.42	4.66
2400	14.09	31.93	16.63	15.96	3.80	0.98	19.09	8.45	4.73
2500	13.76	32.27	14.93	15.67	4.04	0.99	19.04	8.37	4.75
2600	13.50	32.45	13.47	15.44	4.20	1.00	19.09	8.27	4.91
2700	13.17	32.40	11.98	15.07	4.24	1.01	19.12	8.33	4.95
2800	12.75	32.59	10.48	15.03	4.42	1.04	19.19	8.38	5.06
2900	12.39	32.76	9.40	14.97	4.57	1.06	19.09	8.30	5.17
3000	11.97	32.91	8.39	14.88	4.71	1.09	19.02	8.19	5.21
3100	11.49	33.18	7.42	15.21	4.92	1.13	19.05	8.11	5.38
3200	11.07	33.47	6.71	15.11	5.12	1.16	18.96	8.21	5.40
3300	10.56	33.60	6.03	15.03	5.25	1.20	18.77	7.85	5.54
3400	10.10	33.92	5.41	15.27	5.46	1.24	19.09	8.22	5.77
3600	9.16	34.46	4.55	15.42	5.89	1.30	19.20	8.35	6.13
3800	8.23	34.76	3.88	15.23	6.15	1.36	19.54	8.62	6.54
4000	7.31	35.15	3.39	14.82	6.53	1.40	19.53	8.63	7.01
4200	6.42	35.41	2.98	14.35	6.79	1.44	19.59	8.73	7.42
4400	5.58	34.69	2.75	13.87	6.45	1.47	19.69	8.90	7.91
4600	4.76	34.47	2.62	13.15	6.59	1.47	19.68	9.15	8.39
4800	3.99	35.02	2.46	12.25	7.18	1.48	19.71	9.22	8.83
5000	3.19	33.66	2.32	11.54	6.35	1.48	19.58	9.37	9.31
5200	2.12	34.22	2.42	10.50	7.66	1.44	19.10	8.67	9.91
5400	0.38	35.93	2.46	9.49	11.25	1.40	18.09	7.19	10.62



## 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 = 2.66V, Id = 32.32mA @ 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)
400	9.27	40.99	4.13	11.21	10.79	1.29	18.97	7.62	5.77
500	11.54	38.81	6.33	14.02	8.42	1.19	20.28	9.23	5.41
600	12.89	37.00	9.19	16.43	6.88	1.10	21.02	9.75	5.01
700	13.70	35.79	12.56	18.60	5.94	1.04	21.10	9.98	4.76
800	14.21	34.87	16.44	20.48	5.27	1.01	20.96	9.97	4.68
900	14.53	34.18	20.04	21.99	4.77	0.99	20.89	10.03	4.64
1000	14.75	33.66	21.55	23.25	4.42	0.99	20.35	9.70	4.62
1100	14.88	33.26	20.39	24.32	4.16	0.99	20.41	9.77	4.66
1200	14.96	32.97	18.91	24.96	3.98	0.99	20.13	9.53	4.61
1300	15.00	32.71	17.85	24.99	3.83	1.00	19.96	9.41	4.62
1400	15.00	32.49	17.18	24.55	3.73	1.00	19.92	9.36	4.60
1500	14.98	32.30	16.83	23.82	3.65	1.00	19.64	9.08	4.64
1600	14.97	32.33	16.78	22.49	3.66	1.00	19.66	9.05	4.62
1700	14.89	32.09	17.28	21.71	3.60	0.99	19.40	8.86	4.65
1800	14.82	31.92	17.76	20.69	3.56	0.99	19.52	8.82	4.66
1900	14.72	31.90	18.46	19.68	3.59	0.98	19.35	8.67	4.60
2000	14.60	31.81	19.09	18.79	3.60	0.98	19.08	8.42	4.65
2100	14.47	31.75	19.50	17.96	3.63	0.98	19.16	8.40	4.64
2200	14.30	31.79	19.18	17.19	3.70	0.97	18.78	8.23	4.65
2300	14.12	31.72	18.22	16.47	3.73	0.97	18.89	8.22	4.70
2400	13.92	31.79	16.45	15.71	3.80	0.98	18.87	8.24	4.75
2500	13.60	32.10	14.82	15.40	4.03	0.98	18.84	8.16	4.80
2600	13.33	32.27	13.36	15.16	4.18	0.99	18.88	8.07	4.98
2700	13.01	32.22	11.88	14.79	4.22	1.01	18.89	8.11	4.99
2800	12.59	32.40	10.41	14.72	4.39	1.03	18.99	8.18	5.11
2900	12.23	32.55	9.34	14.65	4.52	1.06	18.86	8.10	5.21
3000	11.81	32.68	8.34	14.52	4.65	1.09	18.80	7.98	5.23
3100	11.34	32.95	7.38	14.82	4.86	1.13	18.81	7.91	5.39
3200	10.92	33.23	6.66	14.70	5.05	1.16	18.73	8.02	5.46
3300	10.41	33.34	6.00	14.60	5.17	1.19	18.56	7.67	5.59
3400	9.95	33.65	5.38	14.80	5.36	1.23	18.87	8.03	5.80
3600	9.01	34.18	4.52	14.90	5.77	1.30	18.98	8.15	6.11
3800	8.08	34.47	3.86	14.69	6.02	1.36	19.31	8.41	6.54
4000	7.15	34.84	3.37	14.28	6.38	1.40	19.29	8.44	6.97
4200	6.25	35.11	2.97	13.82	6.64	1.44	19.40	8.53	7.47
4400	5.41	34.40	2.74	13.35	6.33	1.46	19.47	8.68	7.94
4600	4.57	34.21	2.62	12.65	6.49	1.46	19.46	8.89	8.43
4800	3.79	34.77	2.46	11.79	7.06	1.47	19.47	8.92	8.86
5000	2.98	33.52	2.32	11.11	6.35	1.47	19.31	8.95	9.35
5200	1.88	34.10	2.43	10.13	7.70	1.43	18.81	8.26	9.96
5400	0.13	35.76	2.47	9.17	11.26	1.39	17.78	6.85	10.70

## 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 = 3.30V, Id = 33.24mA @ 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)
400	9.64	40.97	4.09	11.35	10.28	1.30	20.30	8.78	5.69
500	11.96	38.84	6.29	14.40	8.07	1.20	21.69	10.86	5.36
600	13.34	37.06	9.21	17.13	6.61	1.10	22.53	11.15	4.94
700	14.18	35.88	12.71	19.70	5.71	1.04	22.56	11.26	4.70
800	14.72	34.98	16.93	22.13	5.06	1.01	22.30	11.09	4.58
900	15.06	34.31	21.27	24.32	4.59	0.99	22.19	11.15	4.53
1000	15.29	33.82	22.93	26.43	4.25	0.99	21.46	10.59	4.50
1100	15.43	33.45	21.10	28.41	4.01	0.99	21.55	10.71	4.55
1200	15.53	33.19	19.17	29.55	3.84	0.99	21.20	10.39	4.52
1300	15.58	32.97	17.94	29.27	3.71	1.00	21.00	10.22	4.54
1400	15.59	32.78	17.19	28.03	3.61	1.00	20.95	10.22	4.55
1500	15.57	32.62	16.78	26.46	3.54	1.00	20.63	9.82	4.52
1600	15.58	32.69	16.76	24.49	3.56	1.00	20.62	9.80	4.55
1700	15.50	32.50	17.28	23.45	3.52	1.00	20.34	9.57	4.54
1800	15.44	32.37	17.82	22.17	3.50	0.99	20.44	9.51	4.55
1900	15.34	32.39	18.67	21.03	3.55	0.99	20.25	9.35	4.54
2000	15.22	32.35	19.51	20.05	3.58	0.98	19.93	9.06	4.56
2100	15.09	32.33	20.12	19.15	3.63	0.98	20.01	9.08	4.53
2200	14.92	32.42	19.94	18.35	3.73	0.98	19.63	8.88	4.55
2300	14.73	32.40	18.93	17.59	3.78	0.98	19.76	8.88	4.63
2400	14.54	32.49	16.98	16.81	3.86	0.98	19.78	8.96	4.72
2500	14.20	32.87	15.17	16.56	4.14	0.99	19.72	8.84	4.67
2600	13.93	33.14	13.62	16.38	4.34	1.00	19.75	8.77	4.88
2700	13.60	33.13	12.08	16.03	4.41	1.02	19.79	8.85	4.91
2800	13.17	33.35	10.54	16.06	4.62	1.04	19.88	8.89	5.00
2900	12.81	33.58	9.45	16.04	4.81	1.07	19.74	8.81	5.12
3000	12.39	33.77	8.42	15.99	4.98	1.10	19.66	8.68	5.14
3100	11.91	34.10	7.46	16.44	5.24	1.14	19.68	8.61	5.29
3200	11.48	34.45	6.73	16.40	5.50	1.17	19.62	8.71	5.36
3300	10.97	34.60	6.05	16.39	5.66	1.21	19.39	8.29	5.50
3400	10.51	34.97	5.42	16.76	5.91	1.25	19.77	8.73	5.68
3600	9.57	35.62	4.55	17.11	6.46	1.32	19.91	8.86	6.03
3800	8.65	36.00	3.87	17.02	6.80	1.38	20.24	9.14	6.43
4000	7.74	36.52	3.37	16.62	7.31	1.42	20.23	9.16	6.83
4200	6.86	36.83	2.96	16.17	7.64	1.47	20.33	9.26	7.28
4400	6.04	36.04	2.71	15.66	7.17	1.49	20.42	9.47	7.87
4600	5.24	35.83	2.57	14.84	7.31	1.50	20.46	9.76	8.31
4800	4.50	36.48	2.41	13.79	8.05	1.51	20.47	9.88	8.71
5000	3.73	34.51	2.25	12.98	6.58	1.52	20.37	10.26	9.19
5200	2.72	35.30	2.34	11.74	8.13	1.48	19.67	9.49	9.80
5400	1.05	37.54	2.34	10.53	12.47	1.45	18.14	8.07	10.47