

## 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 = Ve = 3.00V, Id = 40.31mA @ 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)
100	10.54	33.97	1.59	3.22	1.68	0.82	21.81	8.21	5.24
200	17.99	26.08	6.77	11.36	1.20	0.91	24.06	10.42	1.95
300	19.23	24.63	11.96	17.27	1.13	0.75	24.91	11.87	1.54
400	19.55	24.19	15.38	18.68	1.11	0.67	25.55	12.85	1.32
500	19.65	24.01	17.00	18.50	1.10	0.64	25.22	13.62	1.29
600	19.66	23.93	17.59	18.16	1.09	0.63	25.29	14.04	1.38
700	19.64	23.89	17.53	18.07	1.09	0.63	25.09	14.34	1.28
800	19.60	23.87	17.38	18.02	1.09	0.63	25.44	14.53	1.29
900	19.55	23.86	16.96	18.19	1.09	0.64	25.84	14.60	1.21
1000	19.48	23.87	16.56	18.32	1.10	0.65	24.59	14.78	1.30
1200	19.33	23.91	15.76	18.78	1.10	0.67	25.43	14.84	1.35
1400	19.15	23.96	15.04	19.27	1.11	0.70	25.44	14.92	1.42
1600	18.95	24.02	14.32	19.57	1.12	0.73	25.08	14.94	1.48
2000	18.53	24.18	12.93	18.83	1.13	0.79	24.91	14.87	1.44
2200	18.29	24.25	12.30	17.70	1.14	0.82	23.86	14.89	1.49
2600	17.84	24.41	11.38	15.14	1.16	0.85	24.24	14.73	1.58
2800	17.61	24.50	11.07	13.98	1.18	0.86	24.04	14.59	1.60
3000	17.39	24.57	10.84	12.96	1.19	0.86	23.63	14.74	1.56
3200	17.19	24.64	10.71	12.13	1.20	0.86	23.23	14.50	1.60
3400	16.99	24.71	10.73	11.46	1.22	0.85	24.22	14.44	1.56
3600	16.82	24.79	10.80	10.89	1.24	0.85	23.95	14.55	1.65
3800	16.64	24.84	11.02	10.49	1.25	0.85	24.45	14.74	1.60
4000	16.48	24.89	11.40	10.18	1.27	0.84	24.11	14.74	1.66
4200	16.34	24.95	11.79	9.85	1.29	0.84	23.16	14.70	1.66
4400	16.19	25.00	12.26	9.59	1.31	0.83	22.89	14.58	1.70
4600	16.02	25.08	12.65	9.42	1.33	0.83	23.58	14.40	1.72
4800	15.83	25.23	12.66	9.18	1.35	0.84	23.42	14.40	1.77
5000	15.61	25.42	12.29	8.97	1.37	0.86	23.89	14.36	1.77
5200	15.35	25.61	11.58	8.82	1.40	0.88	23.33	14.21	1.98
5400	15.01	25.93	10.48	8.61	1.44	0.91	21.94	13.57	2.08
5600	14.57	26.33	9.11	8.51	1.48	0.95	21.50	12.22	2.24
5800	14.18	26.76	7.89	8.29	1.51	0.99	22.15	12.10	2.40
6000	13.60	27.31	6.70	7.96	1.57	1.03	21.96	12.17	2.59

## 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 = 2.75V, Ve = 3V, Id = 38.75mA @ 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)			(dBm)	(dBm)	(dB)
100	10.28	33.82	1.59	3.23	1.69	0.82	18.13	6.53	5.33
200	17.68	25.96	6.57	11.34	1.20	0.93	22.43	8.72	1.96
300	18.95	24.47	11.47	17.41	1.13	0.76	23.92	10.15	1.57
400	19.28	24.01	14.66	19.14	1.11	0.69	24.63	11.13	1.34
500	19.38	23.82	16.26	19.07	1.10	0.66	24.53	11.90	1.30
600	19.40	23.73	16.87	18.75	1.10	0.64	24.60	12.33	1.42
700	19.38	23.69	16.85	18.64	1.09	0.64	24.43	12.62	1.32
800	19.34	23.67	16.72	18.58	1.09	0.64	24.77	12.81	1.30
900	19.28	23.66	16.29	18.77	1.09	0.65	25.13	12.95	1.23
1000	19.22	23.67	15.89	18.87	1.09	0.66	24.07	13.10	1.29
1200	19.05	23.71	15.05	19.25	1.10	0.69	24.82	13.19	1.39
1400	18.86	23.77	14.27	19.61	1.11	0.72	24.77	13.27	1.41
1600	18.65	23.84	13.53	19.65	1.11	0.75	24.47	13.25	1.47
2000	18.20	24.01	12.14	18.34	1.13	0.81	24.35	13.21	1.47
2200	17.95	24.09	11.55	17.10	1.14	0.84	23.32	13.18	1.52
2600	17.47	24.25	10.67	14.55	1.16	0.87	23.65	13.03	1.61
2800	17.23	24.35	10.40	13.44	1.17	0.88	23.47	12.94	1.64
3000	17.00	24.43	10.21	12.47	1.19	0.88	23.08	12.94	1.60
3200	16.79	24.49	10.09	11.69	1.20	0.88	22.68	12.82	1.64
3400	16.59	24.56	10.14	11.05	1.22	0.87	23.62	12.74	1.61
3600	16.42	24.64	10.23	10.50	1.23	0.87	23.36	12.75	1.69
3800	16.24	24.69	10.43	10.12	1.25	0.86	23.82	12.86	1.62
4000	16.07	24.73	10.77	9.83	1.27	0.85	23.53	12.84	1.68
4200	15.92	24.79	11.13	9.52	1.29	0.85	22.60	12.80	1.70
4400	15.76	24.85	11.54	9.27	1.30	0.85	22.36	12.67	1.73
4600	15.59	24.93	11.83	9.10	1.33	0.85	22.97	12.52	1.77
4800	15.38	25.08	11.76	8.86	1.35	0.86	22.81	12.42	1.83
5000	15.14	25.28	11.37	8.65	1.37	0.87	23.31	12.36	1.84
5200	14.86	25.49	10.65	8.49	1.40	0.90	22.69	12.19	2.03
5400	14.49	25.82	9.65	8.28	1.43	0.92	21.36	11.52	2.14
5600	14.02	26.24	8.40	8.18	1.48	0.97	20.80	10.46	2.30
5800	13.59	26.68	7.30	7.94	1.52	1.01	21.34	10.36	2.48
6000	12.98	27.25	6.21	7.62	1.57	1.05	21.17	10.29	2.69

## 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 = 3.25V, Ve = 3V, Id = 41.78mA @ 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)
100	10.72	34.15	1.60	3.31	1.70	0.84	23.10	9.53	5.19
200	18.21	26.23	6.92	11.56	1.20	0.91	24.74	11.76	1.91
300	19.44	24.81	12.36	17.44	1.13	0.74	25.53	13.22	1.49
400	19.74	24.39	15.95	18.65	1.11	0.67	26.20	14.25	1.30
500	19.84	24.22	17.63	18.39	1.10	0.64	25.81	15.02	1.27
600	19.85	24.14	18.14	18.03	1.10	0.63	25.78	15.39	1.41
700	19.83	24.10	18.07	17.92	1.10	0.63	25.59	15.64	1.29
800	19.79	24.09	17.94	17.88	1.10	0.63	25.93	15.82	1.28
900	19.74	24.08	17.52	18.05	1.10	0.63	26.38	15.82	1.21
1000	19.68	24.08	17.19	18.19	1.10	0.64	25.05	16.00	1.28
1200	19.53	24.12	16.45	18.69	1.11	0.67	25.89	16.03	1.34
1400	19.37	24.16	15.79	19.28	1.11	0.69	25.86	16.09	1.42
1600	19.19	24.22	15.16	19.74	1.12	0.72	25.47	16.13	1.45
2000	18.79	24.35	13.75	19.38	1.14	0.78	25.31	16.06	1.42
2200	18.57	24.42	13.10	18.33	1.15	0.80	24.23	16.11	1.49
2600	18.13	24.57	12.09	15.72	1.17	0.83	24.63	15.94	1.56
2800	17.92	24.66	11.73	14.50	1.19	0.84	24.44	15.78	1.61
3000	17.70	24.74	11.46	13.44	1.20	0.84	24.01	16.00	1.52
3200	17.51	24.80	11.28	12.57	1.21	0.84	23.65	15.59	1.58
3400	17.32	24.87	11.29	11.88	1.23	0.84	24.72	15.54	1.57
3600	17.15	24.96	11.34	11.28	1.25	0.84	24.37	15.76	1.66
3800	16.98	25.01	11.53	10.87	1.26	0.83	24.78	16.06	1.58
4000	16.82	25.06	11.93	10.56	1.28	0.83	24.44	16.13	1.63
4200	16.68	25.12	12.36	10.23	1.30	0.83	23.42	16.07	1.63
4400	16.54	25.17	12.91	9.96	1.32	0.82	23.20	15.97	1.69
4600	16.38	25.24	13.42	9.80	1.34	0.82	23.85	15.68	1.70
4800	16.21	25.39	13.52	9.55	1.36	0.83	23.60	15.80	1.75
5000	16.01	25.57	13.26	9.33	1.39	0.84	24.07	15.80	1.77
5200	15.77	25.75	12.55	9.19	1.41	0.86	23.50	15.64	1.95
5400	15.45	26.05	11.38	8.99	1.45	0.89	22.16	15.01	2.01
5600	15.04	26.44	9.87	8.89	1.49	0.94	21.72	13.56	2.18
5800	14.68	26.84	8.53	8.68	1.53	0.98	22.31	13.32	2.36
6000	14.13	27.38	7.21	8.36	1.58	1.02	22.07	13.50	2.53

## 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:  $V_d = V_e = 3.00V$ ,  $I_d = 43.24mA$  @ Temperature =  $-45^{\circ}C$

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)
100	10.21	33.60	1.47	2.86	1.54	0.76	20.22	7.83	4.68
200	17.88	25.45	7.53	10.29	1.17	0.84	22.25	9.81	1.60
300	18.96	24.16	13.98	13.37	1.12	0.68	23.26	11.17	1.25
400	19.20	23.80	17.20	13.18	1.10	0.61	24.03	12.21	1.02
500	19.26	23.66	17.22	12.82	1.09	0.58	23.95	13.08	1.04
600	19.26	23.61	16.39	12.42	1.09	0.56	24.07	13.64	1.13
700	19.25	23.56	16.14	12.51	1.09	0.56	23.94	14.00	1.01
800	19.22	23.55	15.86	12.54	1.09	0.56	24.29	14.27	1.03
900	19.20	23.52	15.73	12.73	1.09	0.57	24.62	14.42	0.92
1000	19.18	23.51	15.80	12.96	1.09	0.57	23.52	14.61	0.97
1200	19.10	23.51	15.86	13.24	1.09	0.59	24.23	14.71	1.03
1400	19.00	23.53	15.70	13.63	1.10	0.61	24.22	14.83	1.10
1600	18.90	23.55	15.97	14.28	1.10	0.63	23.90	14.81	1.10
2000	18.68	23.60	16.20	16.16	1.12	0.68	23.65	14.75	1.07
2200	18.54	23.64	16.16	16.89	1.12	0.71	22.66	14.61	1.09
2600	18.28	23.73	15.83	17.21	1.14	0.75	22.90	14.46	1.15
2800	18.14	23.78	15.42	16.73	1.15	0.76	22.71	14.26	1.22
3000	18.00	23.84	14.94	16.03	1.16	0.77	22.52	14.07	1.12
3200	17.87	23.90	14.74	14.92	1.17	0.77	21.92	13.85	1.10
3400	17.74	23.95	15.19	13.78	1.18	0.76	23.00	13.94	1.06
3600	17.61	24.04	15.39	12.81	1.19	0.76	22.67	14.00	1.10
3800	17.50	24.10	15.79	12.30	1.20	0.76	23.18	14.20	1.07
4000	17.37	24.15	16.38	12.06	1.22	0.76	22.89	14.24	1.12
4200	17.27	24.24	16.66	11.70	1.23	0.76	21.74	14.02	1.11
4400	17.16	24.30	17.63	11.37	1.24	0.76	21.54	13.96	1.16
4600	17.05	24.40	18.47	11.14	1.26	0.76	21.94	13.78	1.15
4800	16.91	24.53	19.15	10.64	1.27	0.77	21.85	13.81	1.21
5000	16.75	24.68	18.34	10.27	1.29	0.78	22.20	13.78	1.19
5200	16.62	24.83	17.58	10.12	1.30	0.79	21.42	13.55	1.36
5400	16.46	24.99	16.42	10.08	1.32	0.81	20.60	13.04	1.38
5600	16.15	25.38	14.14	9.64	1.36	0.85	19.54	11.10	1.53
5800	16.00	25.59	12.23	9.83	1.37	0.89	19.92	10.58	1.64
6000	15.66	26.00	9.93	9.90	1.39	0.95	20.09	10.77	1.76

## 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 = 2.75V, Ve = 3V, Id = 39.21mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
100	9.69	33.05	1.46	3.00	1.56	0.79	16.15	6.19	4.76
200	17.22	25.02	7.07	10.91	1.17	0.88	20.15	8.16	1.65
300	18.35	23.66	12.93	14.95	1.12	0.72	21.76	9.54	1.31
400	18.63	23.26	16.87	15.03	1.10	0.64	22.75	10.52	1.06
500	18.71	23.09	17.96	14.64	1.10	0.61	22.93	11.38	1.07
600	18.72	23.03	17.71	14.15	1.09	0.59	23.08	11.90	1.14
700	18.70	22.97	17.48	14.27	1.09	0.59	23.04	12.34	1.01
800	18.68	22.96	17.20	14.29	1.09	0.59	23.34	12.59	1.02
900	18.65	22.93	16.90	14.55	1.09	0.60	23.66	12.78	0.96
1000	18.62	22.93	16.75	14.82	1.09	0.61	22.73	13.06	1.01
1200	18.53	22.94	16.59	15.14	1.09	0.62	23.36	13.23	1.05
1400	18.41	22.98	15.98	15.56	1.10	0.65	23.36	13.36	1.10
1600	18.28	23.03	15.73	16.21	1.10	0.67	23.07	13.38	1.17
2000	18.01	23.14	14.77	17.86	1.12	0.73	22.77	13.37	1.12
2200	17.85	23.20	14.26	17.97	1.12	0.75	21.88	13.32	1.09
2600	17.52	23.34	13.32	16.54	1.14	0.79	21.99	13.25	1.18
2800	17.36	23.42	12.82	15.51	1.15	0.80	21.76	13.15	1.21
3000	17.21	23.49	12.41	14.61	1.16	0.81	21.66	13.16	1.16
3200	17.06	23.55	12.28	13.55	1.16	0.81	21.10	13.10	1.16
3400	16.94	23.62	12.60	12.52	1.17	0.80	21.99	12.92	1.11
3600	16.81	23.70	12.82	11.66	1.19	0.79	21.73	12.90	1.18
3800	16.69	23.76	13.15	11.23	1.20	0.79	22.24	12.97	1.13
4000	16.56	23.81	13.53	10.98	1.21	0.79	21.99	12.98	1.15
4200	16.45	23.92	13.74	10.69	1.23	0.79	20.98	12.88	1.18
4400	16.34	23.99	14.34	10.41	1.24	0.79	20.85	12.85	1.21
4600	16.20	24.06	14.71	10.26	1.26	0.79	21.13	12.62	1.24
4800	16.05	24.24	14.97	9.78	1.27	0.80	21.09	12.55	1.25
5000	15.87	24.44	14.30	9.42	1.29	0.81	21.41	12.47	1.26
5200	15.70	24.60	13.69	9.26	1.31	0.83	20.65	12.36	1.42
5400	15.51	24.81	12.81	9.19	1.33	0.85	19.88	11.99	1.46
5600	15.14	25.22	11.22	8.81	1.36	0.89	18.70	10.52	1.61
5800	14.94	25.49	9.82	8.87	1.37	0.93	19.13	10.11	1.71
6000	14.50	25.98	8.08	8.82	1.40	0.99	19.28	10.14	1.85

## 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 = 3.25V, Ve = 3V, Id = 43.90mA @ 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)
100	10.36	33.74	1.47	2.93	1.56	0.77	22.45	9.51	4.55
200	18.06	25.58	7.60	10.50	1.17	0.84	23.93	11.56	1.55
300	19.14	24.30	14.18	13.64	1.12	0.68	24.76	12.92	1.19
400	19.36	23.96	17.35	13.42	1.10	0.61	25.60	13.95	0.98
500	19.42	23.83	17.22	13.01	1.10	0.58	25.37	14.83	1.02
600	19.42	23.78	16.37	12.60	1.09	0.57	25.52	15.31	1.13
700	19.40	23.74	16.15	12.69	1.09	0.57	25.19	15.69	0.98
800	19.38	23.72	15.86	12.71	1.09	0.57	25.60	15.90	0.97
900	19.37	23.69	15.78	12.91	1.09	0.57	26.06	15.92	0.94
1000	19.34	23.68	15.85	13.13	1.09	0.58	24.55	16.14	0.98
1200	19.26	23.68	15.98	13.42	1.10	0.59	25.53	16.16	1.02
1400	19.17	23.69	15.91	13.80	1.10	0.61	25.59	16.28	1.05
1600	19.07	23.71	16.30	14.43	1.11	0.63	25.15	16.27	1.09
2000	18.87	23.76	16.82	16.38	1.12	0.68	25.05	16.23	1.04
2200	18.74	23.78	16.92	17.14	1.13	0.70	23.81	16.17	1.10
2600	18.49	23.86	16.67	17.55	1.14	0.73	24.28	16.04	1.14
2800	18.35	23.92	16.18	17.09	1.15	0.75	24.02	15.88	1.17
3000	18.22	23.97	15.60	16.39	1.16	0.76	23.68	16.01	1.11
3200	18.08	24.02	15.34	15.25	1.17	0.76	23.08	15.66	1.09
3400	17.96	24.08	15.69	14.04	1.18	0.75	24.41	15.46	1.06
3600	17.84	24.17	15.81	13.07	1.19	0.75	24.09	15.56	1.11
3800	17.72	24.22	16.20	12.57	1.21	0.75	24.70	15.87	1.06
4000	17.60	24.26	16.77	12.30	1.22	0.75	24.31	16.06	1.09
4200	17.50	24.36	17.14	11.96	1.23	0.75	22.97	15.97	1.09
4400	17.40	24.42	18.23	11.62	1.25	0.75	22.61	15.85	1.13
4600	17.28	24.47	19.24	11.45	1.26	0.76	23.23	15.48	1.14
4800	17.17	24.63	20.27	10.89	1.28	0.76	23.24	15.69	1.18
5000	17.02	24.80	19.68	10.51	1.29	0.77	23.67	15.63	1.15
5200	16.90	24.92	19.13	10.38	1.31	0.78	22.85	15.54	1.34
5400	16.76	25.08	18.04	10.33	1.33	0.80	21.75	15.28	1.38
5600	16.47	25.43	15.47	9.94	1.36	0.83	20.71	13.74	1.47
5800	16.35	25.63	13.35	10.14	1.37	0.87	21.31	12.52	1.59
6000	16.04	26.01	10.77	10.25	1.39	0.93	21.63	12.94	1.72

## 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 = Ve = 3.00V, Id = 39.23mA @ 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)
100	10.80	34.40	1.66	3.47	1.78	0.86	22.36	8.67	5.60
200	18.19	26.59	6.30	11.79	1.21	0.95	24.61	11.14	2.23
300	19.53	25.07	10.80	19.67	1.14	0.78	25.63	12.65	1.87
400	19.87	24.61	13.62	24.69	1.11	0.70	26.21	13.52	1.58
500	19.99	24.42	15.00	25.86	1.10	0.67	25.87	14.19	1.54
600	20.00	24.34	15.62	25.31	1.10	0.66	25.92	14.48	1.60
700	19.97	24.29	15.59	25.13	1.09	0.66	25.67	14.73	1.57
800	19.91	24.28	15.49	24.85	1.10	0.67	25.99	14.85	1.56
900	19.85	24.27	15.14	24.78	1.10	0.68	26.37	14.88	1.51
1000	19.76	24.29	14.77	24.42	1.10	0.69	25.13	15.04	1.58
1200	19.57	24.33	13.93	23.51	1.10	0.72	25.87	15.06	1.64
1400	19.34	24.39	13.18	21.98	1.11	0.75	25.84	15.10	1.73
1600	19.09	24.45	12.51	20.27	1.12	0.78	25.51	15.12	1.76
2000	18.56	24.62	11.27	17.07	1.14	0.83	25.51	15.05	1.76
2200	18.27	24.71	10.71	15.62	1.15	0.85	24.44	15.04	1.85
2600	17.70	24.88	9.91	13.27	1.17	0.88	24.85	14.86	1.95
2800	17.42	24.99	9.63	12.30	1.19	0.89	24.64	14.74	2.02
3000	17.15	25.07	9.43	11.49	1.21	0.89	24.21	14.81	1.99
3200	16.90	25.14	9.29	10.82	1.22	0.89	23.91	14.58	2.01
3400	16.67	25.23	9.29	10.26	1.25	0.88	24.81	14.43	2.00
3600	16.45	25.28	9.39	9.80	1.27	0.88	24.51	14.57	2.11
3800	16.26	25.33	9.58	9.50	1.29	0.87	24.93	14.68	2.06
4000	16.05	25.36	9.94	9.28	1.31	0.86	24.61	14.61	2.12
4200	15.89	25.38	10.29	9.04	1.33	0.86	23.67	14.54	2.14
4400	15.73	25.43	10.66	8.84	1.35	0.86	23.51	14.34	2.17
4600	15.54	25.49	10.96	8.70	1.37	0.86	24.11	14.15	2.20
4800	15.32	25.62	10.98	8.53	1.40	0.87	23.76	14.07	2.20
5000	15.05	25.80	10.63	8.33	1.42	0.88	24.20	13.96	2.28
5200	14.73	26.04	9.97	8.14	1.45	0.90	23.55	13.66	2.51
5400	14.33	26.33	9.09	7.95	1.49	0.93	22.15	12.91	2.63
5600	13.83	26.78	7.93	7.81	1.55	0.97	21.92	12.14	2.80
5800	13.30	27.26	6.90	7.51	1.60	1.00	22.33	12.05	3.02
6000	12.62	27.89	5.91	7.15	1.68	1.03	21.96	11.94	3.26



## 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 = 2.75V, Ve = 3V, Id = 37.62mA @ 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)
100	10.54	34.27	1.65	3.46	1.80	0.86	19.36	7.13	5.60
200	17.90	26.49	6.12	11.72	1.22	0.96	23.48	9.56	2.27
300	19.25	24.93	10.37	19.61	1.14	0.79	24.74	11.08	1.89
400	19.62	24.44	12.98	25.31	1.11	0.72	25.44	11.98	1.60
500	19.73	24.24	14.26	27.13	1.10	0.69	25.19	12.64	1.53
600	19.75	24.16	14.81	26.52	1.10	0.68	25.21	12.94	1.59
700	19.71	24.11	14.79	26.15	1.09	0.68	25.02	13.21	1.57
800	19.66	24.10	14.70	25.63	1.09	0.68	25.31	13.34	1.57
900	19.58	24.10	14.34	25.31	1.09	0.69	25.67	13.40	1.52
1000	19.50	24.11	13.99	24.63	1.10	0.70	24.57	13.55	1.57
1200	19.29	24.15	13.19	23.23	1.10	0.73	25.23	13.58	1.64
1400	19.05	24.22	12.45	21.41	1.11	0.77	25.24	13.61	1.75
1600	18.79	24.29	11.80	19.62	1.11	0.80	24.91	13.63	1.81
2000	18.23	24.46	10.64	16.45	1.13	0.85	24.89	13.55	1.82
2200	17.93	24.56	10.13	15.06	1.14	0.87	23.86	13.52	1.85
2600	17.34	24.74	9.40	12.81	1.17	0.90	24.26	13.33	1.99
2800	17.04	24.84	9.14	11.88	1.19	0.90	24.05	13.20	2.08
3000	16.76	24.93	8.97	11.11	1.20	0.91	23.60	13.24	2.01
3200	16.50	24.99	8.87	10.47	1.22	0.90	23.31	13.06	2.03
3400	16.27	25.08	8.89	9.94	1.24	0.90	24.17	12.91	2.06
3600	16.05	25.13	9.00	9.50	1.26	0.89	23.88	12.97	2.14
3800	15.85	25.17	9.20	9.21	1.28	0.88	24.31	13.00	2.10
4000	15.65	25.19	9.53	9.00	1.31	0.88	24.02	12.92	2.17
4200	15.47	25.22	9.86	8.77	1.33	0.87	23.13	12.91	2.18
4400	15.30	25.26	10.20	8.57	1.35	0.87	23.00	12.67	2.19
4600	15.10	25.33	10.44	8.43	1.37	0.87	23.46	12.50	2.26
4800	14.87	25.46	10.41	8.26	1.40	0.88	23.23	12.40	2.30
5000	14.58	25.65	10.03	8.07	1.42	0.89	23.64	12.23	2.36
5200	14.24	25.89	9.37	7.88	1.45	0.92	23.02	11.99	2.56
5400	13.82	26.20	8.53	7.68	1.49	0.94	21.65	11.31	2.70
5600	13.29	26.66	7.45	7.54	1.55	0.98	21.31	10.64	2.91
5800	12.74	27.16	6.50	7.25	1.60	1.01	21.70	10.50	3.11
6000	12.02	27.79	5.59	6.90	1.69	1.04	21.37	10.35	3.33



## 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 = 3.25V, Ve = 3V, Id = 40.69mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
100	10.96	34.56	1.66	3.57	1.81	0.88	23.41	9.89	5.55
200	18.39	26.74	6.46	12.03	1.22	0.94	25.34	12.38	2.21
300	19.71	25.23	11.19	20.03	1.14	0.77	26.28	13.91	1.79
400	20.05	24.78	14.19	24.76	1.12	0.70	26.88	14.80	1.59
500	20.16	24.60	15.71	25.57	1.11	0.67	26.47	15.41	1.53
600	20.18	24.52	16.34	24.98	1.10	0.66	26.47	15.65	1.55
700	20.14	24.48	16.36	24.85	1.10	0.66	26.23	15.90	1.56
800	20.09	24.47	16.26	24.67	1.10	0.66	26.56	16.01	1.57
900	20.03	24.46	15.91	24.74	1.10	0.67	26.93	15.99	1.51
1000	19.95	24.47	15.54	24.55	1.10	0.68	25.60	16.15	1.56
1200	19.76	24.51	14.69	23.95	1.11	0.71	26.41	16.14	1.65
1400	19.56	24.57	13.89	22.62	1.12	0.74	26.37	16.19	1.72
1600	19.32	24.63	13.22	20.95	1.12	0.76	26.01	16.24	1.76
2000	18.82	24.78	11.91	17.69	1.14	0.81	26.01	16.14	1.78
2200	18.54	24.87	11.31	16.20	1.16	0.84	24.88	16.15	1.86
2600	17.99	25.04	10.44	13.74	1.18	0.86	25.31	15.93	1.97
2800	17.72	25.15	10.11	12.72	1.20	0.87	25.14	15.77	2.02
3000	17.45	25.23	9.87	11.88	1.22	0.87	24.68	15.95	1.98
3200	17.20	25.30	9.70	11.18	1.24	0.87	24.40	15.56	2.01
3400	16.98	25.39	9.68	10.60	1.26	0.87	25.34	15.48	1.99
3600	16.77	25.45	9.74	10.12	1.28	0.87	24.97	15.71	2.12
3800	16.57	25.51	9.93	9.83	1.30	0.86	25.39	15.90	2.04
4000	16.37	25.53	10.29	9.61	1.33	0.86	25.04	15.85	2.08
4200	16.21	25.56	10.67	9.37	1.35	0.85	24.03	15.74	2.11
4400	16.06	25.61	11.08	9.17	1.37	0.85	23.89	15.56	2.16
4600	15.89	25.67	11.44	9.04	1.39	0.85	24.47	15.30	2.18
4800	15.68	25.79	11.56	8.87	1.42	0.86	24.01	15.30	2.23
5000	15.43	25.97	11.26	8.68	1.44	0.87	24.47	15.18	2.25
5200	15.13	26.19	10.59	8.50	1.47	0.89	23.76	14.84	2.46
5400	14.76	26.47	9.68	8.31	1.51	0.92	22.41	14.00	2.58
5600	14.28	26.91	8.43	8.16	1.57	0.96	22.18	13.20	2.77
5800	13.77	27.39	7.30	7.86	1.62	1.00	22.58	13.14	2.96
6000	13.11	28.02	6.24	7.49	1.71	1.03	22.18	13.08	3.18