

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: $V_S = +4.75\text{ V}$, $I_S = 12\text{ mA}$ @ 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)
10	21.2	23.6	21.5	26.5	1.04	0.42	15.4	3.3	3.1
100	21.1	23.5	20.2	25.2	1.03	0.42	18.0	2.2	2.2
200	21.1	23.5	20.0	24.1	1.03	0.42	18.7	2.4	2.2
300	21.0	23.5	19.7	22.8	1.03	0.43	17.1	2.1	2.1
400	21.0	23.5	19.4	21.6	1.03	0.44	16.9	2.2	2.2
500	20.9	23.4	19.2	20.3	1.03	0.44	17.7	2.5	2.1
600	20.8	23.4	19.0	19.4	1.02	0.45	17.1	2.4	2.2
700	20.7	23.3	18.5	18.5	1.02	0.46	17.1	2.4	2.2
800	20.6	23.3	18.2	17.7	1.02	0.47	17.2	2.6	2.2
900	20.5	23.3	17.9	17.0	1.02	0.48	17.0	2.6	2.2
1000	20.3	23.2	17.4	16.4	1.02	0.50	16.7	2.0	2.1
1200	20.0	23.1	16.7	15.4	1.01	0.53	16.0	2.1	2.2
1400	19.6	22.9	16.0	14.7	1.01	0.55	16.0	1.7	2.2
1600	19.3	22.8	15.3	14.2	1.00	0.58	15.5	1.5	2.2
1800	18.9	22.6	14.6	13.8	1.00	0.62	15.2	0.7	2.2
2000	18.5	22.5	14.1	13.6	1.00	0.64	14.8	0.8	2.2
2200	18.1	22.3	13.6	13.5	1.01	0.67	14.0	0.2	2.2
2400	17.7	22.1	13.3	13.4	1.01	0.69	15.4	0.9	2.2
2600	17.4	21.9	13.1	13.2	1.01	0.71	15.8	1.1	2.2
2800	17.0	21.7	12.9	13.1	1.02	0.72	16.7	1.6	2.3
3000	16.6	21.6	12.7	13.0	1.03	0.74	18.0	2.5	2.2
3200	16.3	21.4	12.6	12.8	1.03	0.75	18.0	3.0	2.3
3400	15.9	21.2	12.4	12.7	1.04	0.76	18.4	4.0	2.3
3600	15.6	21.1	12.2	12.5	1.05	0.78	17.8	3.9	2.3
3800	15.2	20.9	11.9	12.3	1.06	0.79	17.0	4.2	2.3
4000	14.9	20.8	11.7	12.1	1.07	0.80	17.0	4.4	2.4
4200	14.5	20.7	11.3	11.7	1.07	0.81	16.5	3.7	2.3
4400	14.2	20.5	10.9	11.5	1.08	0.82	15.9	3.5	2.4
4600	13.8	20.4	10.5	11.2	1.09	0.83	16.0	2.5	2.4
4800	13.5	20.4	10.1	10.8	1.09	0.84	15.9	2.0	2.4
5000	13.1	20.3	9.7	10.5	1.10	0.86	16.5	1.5	2.4
5200	12.8	20.2	9.2	10.2	1.11	0.87	15.9	1.6	2.5
5400	12.4	20.2	8.8	9.9	1.12	0.88	15.6	2.0	2.5
5600	12.0	20.2	8.4	9.6	1.13	0.90	15.1	1.7	2.6
5800	11.7	20.2	8.0	9.3	1.14	0.91	14.9	2.2	2.7
6000	11.3	20.2	7.6	9.1	1.16	0.93	14.2	2.1	2.8
6200	10.9	20.3	7.2	8.8	1.17	0.94	13.7	1.9	2.9
6400	10.5	20.3	6.9	8.6	1.18	0.96	12.9	1.8	2.9
6600	10.1	20.4	6.6	8.5	1.20	0.98	12.4	1.6	3.0
6800	9.8	20.4	6.2	8.3	1.21	1.00	12.5	1.3	3.1
7000	9.4	20.5	6.0	8.2	1.23	1.02	11.9	0.9	3.2

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: $V_S = +5\text{ V}$, $I_S = 15\text{ mA}$ @ 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)
10	22.3	24.6	33.0	23.3	1.03	0.39	17.6	5.8	3.1
100	22.3	24.5	40.5	24.7	1.03	0.39	18.2	4.6	2.1
200	22.2	24.4	37.2	23.7	1.03	0.39	19.6	4.7	2.1
300	22.2	24.4	34.1	22.4	1.03	0.40	18.1	4.5	2.0
400	22.1	24.4	31.5	21.1	1.03	0.41	17.8	4.5	2.1
500	22.0	24.4	29.8	19.9	1.03	0.41	18.8	4.9	2.1
600	21.9	24.3	28.4	19.0	1.03	0.42	18.3	4.8	2.1
700	21.8	24.3	27.0	18.1	1.03	0.44	18.5	4.8	2.1
800	21.6	24.3	26.1	17.4	1.03	0.45	18.8	5.0	2.1
900	21.5	24.2	25.1	16.7	1.03	0.46	18.5	5.0	2.1
1000	21.3	24.2	24.1	16.2	1.03	0.48	18.5	4.3	2.1
1200	20.9	24.0	22.5	15.2	1.03	0.51	17.6	4.5	2.1
1400	20.5	23.9	21.2	14.6	1.03	0.53	17.6	4.2	2.1
1600	20.1	23.7	19.9	14.1	1.03	0.56	17.3	3.9	2.1
1800	19.6	23.5	18.7	13.8	1.04	0.59	17.0	3.0	2.1
2000	19.2	23.3	17.8	13.6	1.04	0.62	16.6	3.1	2.2
2200	18.8	23.1	16.9	13.4	1.05	0.64	15.7	2.5	2.2
2400	18.4	22.9	16.4	13.2	1.05	0.66	17.2	3.2	2.2
2600	18.0	22.7	15.9	13.0	1.06	0.68	17.5	3.5	2.2
2800	17.5	22.5	15.4	12.9	1.07	0.69	18.5	4.0	2.2
3000	17.1	22.3	15.1	12.7	1.07	0.71	18.9	4.8	2.2
3200	16.7	22.1	14.8	12.4	1.08	0.72	18.6	5.2	2.3
3400	16.3	21.9	14.4	12.2	1.09	0.73	18.2	5.8	2.3
3600	16.0	21.7	14.0	12.0	1.10	0.74	18.1	5.4	2.3
3800	15.6	21.5	13.6	11.8	1.11	0.75	17.1	5.6	2.3
4000	15.2	21.4	13.2	11.5	1.11	0.76	17.4	5.5	2.3
4200	14.9	21.2	12.7	11.2	1.12	0.77	17.2	4.9	2.3
4400	14.5	21.0	12.1	10.9	1.12	0.78	16.1	4.6	2.3
4600	14.2	20.9	11.6	10.6	1.13	0.79	16.1	3.8	2.4
4800	13.8	20.8	11.1	10.3	1.14	0.79	16.1	3.5	2.4
5000	13.4	20.7	10.5	9.9	1.14	0.80	16.2	2.8	2.4
5200	13.1	20.6	10.0	9.7	1.15	0.81	16.1	2.8	2.5
5400	12.7	20.5	9.5	9.3	1.16	0.82	15.5	3.0	2.5
5600	12.3	20.5	9.0	9.0	1.16	0.84	15.3	2.7	2.6
5800	12.0	20.4	8.5	8.7	1.17	0.85	15.2	3.0	2.7
6000	11.6	20.4	8.1	8.5	1.18	0.86	14.2	2.7	2.8
6200	11.2	20.4	7.7	8.3	1.19	0.88	13.7	2.6	2.9
6400	10.8	20.4	7.3	8.1	1.20	0.89	13.2	2.4	2.9
6600	10.4	20.4	6.9	7.9	1.21	0.91	12.5	2.0	3.0
6800	10.1	20.4	6.6	7.8	1.22	0.93	12.4	1.9	3.1
7000	9.7	20.4	6.3	7.8	1.23	0.95	11.9	1.5	3.2

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: $V_S = +5.25\text{ V}$, $I_S = 18\text{mA}$ @ 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)
10	23.1	25.4	20.1	16.6	1.03	0.37	18.1	7.7	3.1
100	23.1	25.3	21.3	17.2	1.03	0.37	20.4	6.6	2.1
200	23.0	25.2	21.5	17.0	1.03	0.37	21.3	6.6	2.1
300	22.9	25.2	21.7	16.7	1.03	0.38	19.2	6.4	2.0
400	22.9	25.2	22.0	16.4	1.03	0.38	19.3	6.4	2.1
500	22.7	25.2	22.1	16.0	1.03	0.39	20.5	6.8	2.0
600	22.6	25.1	22.3	15.6	1.03	0.40	19.7	6.7	2.0
700	22.5	25.1	22.7	15.2	1.03	0.42	20.1	6.7	2.1
800	22.3	25.0	23.0	14.9	1.03	0.43	20.2	7.1	2.1
900	22.1	25.0	23.3	14.6	1.03	0.44	19.8	7.1	2.0
1000	21.9	24.9	23.7	14.3	1.04	0.46	19.8	6.3	2.0
1200	21.5	24.8	24.1	13.8	1.04	0.49	18.9	6.5	2.1
1400	21.1	24.6	23.9	13.4	1.04	0.52	19.6	6.2	2.1
1600	20.6	24.4	23.1	13.2	1.05	0.54	19.3	5.9	2.1
1800	20.1	24.2	22.0	13.0	1.06	0.57	18.8	4.9	2.1
2000	19.7	24.0	20.9	12.8	1.06	0.60	18.1	5.0	2.1
2200	19.2	23.7	19.7	12.7	1.07	0.62	17.9	4.3	2.1
2400	18.8	23.5	18.9	12.6	1.08	0.64	19.1	5.1	2.2
2600	18.3	23.3	18.2	12.4	1.08	0.66	18.8	5.3	2.2
2800	17.9	23.0	17.5	12.3	1.09	0.67	19.6	5.8	2.2
3000	17.5	22.8	17.0	12.1	1.10	0.69	19.4	6.4	2.1
3200	17.0	22.6	16.5	11.9	1.11	0.70	19.2	6.6	2.2
3400	16.6	22.4	15.9	11.7	1.12	0.71	19.1	6.8	2.3
3600	16.2	22.1	15.4	11.5	1.13	0.72	18.7	6.4	2.3
3800	15.8	21.9	14.9	11.3	1.13	0.72	17.2	6.4	2.3
4000	15.5	21.7	14.3	11.0	1.13	0.73	17.1	6.2	2.3
4200	15.1	21.5	13.6	10.7	1.14	0.74	17.2	5.7	2.4
4400	14.7	21.3	13.0	10.4	1.15	0.74	16.4	5.3	2.3
4600	14.4	21.2	12.4	10.1	1.15	0.75	16.4	4.7	2.4
4800	14.0	21.0	11.7	9.8	1.16	0.76	16.3	4.3	2.4
5000	13.6	20.9	11.1	9.5	1.16	0.77	16.6	3.7	2.5
5200	13.3	20.8	10.5	9.2	1.17	0.77	16.3	3.7	2.5
5400	12.9	20.7	9.9	8.9	1.17	0.78	15.9	3.7	2.5
5600	12.5	20.6	9.4	8.6	1.18	0.79	15.8	3.3	2.6
5800	12.2	20.5	8.8	8.3	1.18	0.80	15.3	3.5	2.7
6000	11.8	20.5	8.4	8.1	1.19	0.81	14.4	3.2	2.8
6200	11.4	20.4	7.9	7.8	1.19	0.83	13.9	3.0	2.8
6400	11.0	20.4	7.5	7.7	1.20	0.84	13.3	2.8	2.9
6600	10.7	20.4	7.1	7.5	1.21	0.86	12.5	2.5	3.0
6800	10.3	20.4	6.8	7.4	1.22	0.88	12.7	2.3	3.1
7000	9.9	20.4	6.5	7.4	1.23	0.90	12.0	1.8	3.2

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: $V_S = +4.75\text{ V}$, $I_S = 10\text{mA}$ @ 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)
10	20.7	23.3	17.6	22.1	1.04	0.45	15.0	0.7	2.6
100	20.6	23.2	16.5	20.8	1.04	0.45	15.9	-0.2	1.8
200	20.6	23.2	16.3	20.2	1.04	0.45	16.9	-0.2	1.8
300	20.5	23.2	16.2	19.9	1.04	0.46	15.3	-0.3	1.8
400	20.5	23.2	16.1	19.4	1.03	0.46	15.0	-0.3	1.8
500	20.5	23.1	16.1	18.7	1.03	0.46	15.4	-0.1	1.8
600	20.4	23.1	16.1	18.1	1.02	0.47	15.2	-0.1	1.8
700	20.3	23.1	15.8	17.5	1.02	0.48	14.7	-0.1	1.9
800	20.2	23.0	15.7	17.0	1.02	0.49	15.3	0.1	1.9
900	20.2	23.0	15.6	16.4	1.01	0.49	15.0	0.1	1.8
1000	20.0	22.9	15.2	15.9	1.01	0.51	15.0	-0.5	1.8
1200	19.7	22.8	14.7	15.0	1.00	0.54	13.3	-0.4	1.8
1400	19.4	22.6	14.3	14.4	0.99	0.55	13.4	-0.8	1.8
1600	19.1	22.5	13.7	13.9	0.98	0.58	12.4	-1.1	1.8
1800	18.7	22.3	13.1	13.6	0.98	0.62	12.1	-1.9	1.8
2000	18.4	22.2	12.7	13.5	0.98	0.64	11.6	-1.9	1.7
2200	18.1	22.0	12.2	13.4	0.97	0.67	11.0	-2.3	1.8
2400	17.8	21.8	12.0	13.4	0.97	0.69	12.6	-1.9	1.8
2600	17.5	21.7	11.8	13.3	0.98	0.70	12.7	-1.6	1.8
2800	17.2	21.5	11.7	13.4	0.98	0.72	13.9	-1.3	1.8
3000	16.9	21.3	11.7	13.2	0.98	0.72	15.1	-0.3	1.7
3200	16.6	21.2	11.7	13.0	0.99	0.74	15.6	0.4	1.8
3400	16.3	21.0	11.6	12.7	1.00	0.74	17.6	1.8	1.8
3600	15.9	20.9	11.5	12.5	1.00	0.76	17.6	1.9	1.8
3800	15.6	20.8	11.4	12.1	1.01	0.77	17.8	2.5	1.8
4000	15.3	20.6	11.2	11.8	1.01	0.77	18.5	2.9	1.8
4200	15.0	20.5	10.8	11.5	1.02	0.79	17.6	2.0	1.9
4400	14.6	20.4	10.5	11.3	1.02	0.80	16.5	1.8	1.8
4600	14.3	20.4	10.1	11.1	1.03	0.82	16.8	0.7	1.8
4800	14.0	20.3	9.7	10.8	1.04	0.83	17.0	0.4	1.9
5000	13.6	20.2	9.2	10.6	1.05	0.85	17.6	-0.1	1.9
5200	13.3	20.2	8.8	10.5	1.05	0.86	17.6	0.2	1.9
5400	13.0	20.2	8.4	10.2	1.06	0.88	17.0	0.9	2.0
5600	12.6	20.2	8.0	9.9	1.07	0.89	16.5	0.7	2.0
5800	12.3	20.2	7.7	9.6	1.08	0.91	15.9	1.8	2.1
6000	12.0	20.2	7.3	9.3	1.09	0.92	14.8	1.9	2.2
6200	11.6	20.3	7.0	9.0	1.10	0.93	14.5	2.0	2.2
6400	11.2	20.3	6.7	8.7	1.11	0.95	14.0	2.0	2.3
6600	10.9	20.4	6.5	8.5	1.13	0.96	13.4	1.8	2.3
6800	10.5	20.5	6.2	8.3	1.14	0.98	13.7	1.7	2.4
7000	10.2	20.5	5.9	8.2	1.15	1.00	13.1	1.1	2.5

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: $V_S = +5\text{ V}$, $I_S = 13\text{ mA}$ @ 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)
10	22.4	24.8	36.2	22.9	1.04	0.42	15.8	3.8	2.6
100	22.3	24.5	40.2	24.9	1.03	0.40	16.4	2.7	1.7
200	22.2	24.5	34.5	24.1	1.03	0.40	17.3	2.8	1.7
300	22.2	24.5	31.5	22.6	1.03	0.41	15.8	2.6	1.6
400	22.1	24.4	29.0	21.3	1.03	0.41	15.7	2.6	1.7
500	22.0	24.4	27.4	20.1	1.03	0.41	17.4	3.0	1.7
600	22.0	24.4	26.2	19.2	1.02	0.42	16.5	2.9	1.7
700	21.8	24.3	25.0	18.2	1.02	0.43	16.5	3.0	1.7
800	21.7	24.3	24.1	17.5	1.02	0.44	16.7	3.2	1.7
900	21.6	24.2	23.3	16.8	1.02	0.45	16.6	3.2	1.6
1000	21.4	24.2	22.4	16.2	1.02	0.47	16.9	2.5	1.6
1200	21.1	24.1	21.3	15.2	1.02	0.49	15.8	2.7	1.7
1400	20.7	23.9	20.2	14.6	1.02	0.52	15.8	2.3	1.7
1600	20.3	23.7	19.0	14.1	1.02	0.54	15.4	2.0	1.7
1800	19.9	23.6	17.9	13.9	1.02	0.57	14.6	1.1	1.7
2000	19.5	23.4	17.1	13.7	1.03	0.60	14.3	1.2	1.7
2200	19.1	23.2	16.3	13.6	1.03	0.62	13.5	0.5	1.7
2400	18.8	23.0	15.8	13.5	1.03	0.64	15.0	1.2	1.7
2600	18.4	22.8	15.4	13.4	1.04	0.65	14.9	1.5	1.7
2800	18.0	22.6	15.0	13.2	1.05	0.67	16.0	2.0	1.7
3000	17.6	22.4	14.8	13.0	1.05	0.68	17.2	3.0	1.6
3200	17.3	22.2	14.5	12.6	1.06	0.69	17.4	3.6	1.7
3400	16.9	22.0	14.3	12.2	1.07	0.69	18.6	4.7	1.8
3600	16.5	21.8	14.0	11.9	1.07	0.70	18.8	4.6	1.7
3800	16.2	21.6	13.6	11.5	1.08	0.71	17.6	5.0	1.8
4000	15.8	21.4	13.2	11.2	1.08	0.72	17.8	5.3	1.8
4200	15.5	21.3	12.7	10.9	1.09	0.72	17.3	4.4	1.8
4400	15.1	21.1	12.1	10.6	1.09	0.73	16.7	4.2	1.8
4600	14.8	21.0	11.6	10.3	1.09	0.74	16.5	3.1	1.8
4800	14.4	20.9	11.0	10.1	1.10	0.76	16.4	2.7	1.8
5000	14.1	20.8	10.4	9.9	1.10	0.77	16.9	2.1	1.9
5200	13.8	20.7	9.9	9.7	1.11	0.78	16.7	2.3	1.9
5400	13.4	20.6	9.3	9.4	1.11	0.79	16.8	2.8	1.9
5600	13.1	20.5	8.8	9.1	1.12	0.80	16.3	2.5	2.0
5800	12.7	20.5	8.4	8.8	1.12	0.81	15.8	3.2	2.0
6000	12.4	20.4	8.0	8.5	1.13	0.82	15.3	3.2	2.1
6200	12.0	20.4	7.6	8.2	1.14	0.83	14.6	3.1	2.2
6400	11.7	20.4	7.3	7.9	1.14	0.84	14.0	2.9	2.2
6600	11.3	20.4	7.0	7.7	1.15	0.86	13.4	2.6	2.3
6800	11.0	20.4	6.7	7.6	1.15	0.87	13.5	2.5	2.4
7000	10.6	20.4	6.4	7.5	1.16	0.89	13.0	2.1	2.5

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: $V_S = +5.25\text{ V}$, $I_S = 15\text{ mA}$ @ 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)
10	23.3	25.6	18.9	15.5	1.03	0.36	18.5	6.2	2.6
100	23.3	25.5	20.4	16.2	1.03	0.36	18.5	5.0	1.6
200	23.2	25.5	20.7	16.2	1.03	0.36	19.3	5.2	1.7
300	23.2	25.4	20.6	15.8	1.03	0.37	18.0	4.9	1.6
400	23.1	25.4	20.5	15.5	1.03	0.38	18.3	4.9	1.6
500	23.0	25.4	20.4	15.2	1.03	0.38	18.4	5.3	1.6
600	22.9	25.3	20.4	14.9	1.03	0.39	18.6	5.3	1.6
700	22.7	25.3	20.4	14.5	1.03	0.40	18.5	5.4	1.6
800	22.6	25.2	20.5	14.2	1.03	0.41	19.2	5.6	1.6
900	22.4	25.2	20.5	14.0	1.03	0.42	18.4	5.6	1.6
1000	22.2	25.1	20.7	13.7	1.03	0.44	19.0	4.9	1.6
1200	21.8	25.0	21.0	13.3	1.03	0.46	17.8	5.0	1.6
1400	21.4	24.8	21.1	13.0	1.04	0.49	17.5	4.6	1.6
1600	21.0	24.6	20.9	12.8	1.04	0.52	17.7	4.3	1.6
1800	20.6	24.4	20.4	12.7	1.05	0.54	17.0	3.4	1.7
2000	20.1	24.2	19.8	12.7	1.05	0.57	16.4	3.5	1.6
2200	19.7	23.9	19.0	12.7	1.06	0.59	15.9	2.8	1.6
2400	19.3	23.7	18.4	12.7	1.06	0.60	17.6	3.7	1.7
2600	18.9	23.4	17.8	12.6	1.07	0.62	17.2	3.9	1.7
2800	18.5	23.2	17.2	12.4	1.08	0.63	18.6	4.4	1.7
3000	18.0	23.0	16.8	12.1	1.08	0.64	19.7	5.3	1.6
3200	17.6	22.7	16.4	11.8	1.09	0.65	18.7	5.8	1.7
3400	17.3	22.5	15.9	11.5	1.10	0.66	19.6	6.6	1.8
3600	16.9	22.3	15.5	11.2	1.10	0.67	18.8	6.4	1.7
3800	16.5	22.1	15.0	10.9	1.11	0.67	17.8	6.5	1.8
4000	16.1	21.9	14.4	10.6	1.11	0.68	18.4	6.5	1.8
4200	15.8	21.7	13.7	10.3	1.11	0.68	18.5	5.9	1.8
4400	15.4	21.5	13.0	10.0	1.11	0.69	16.8	5.6	1.8
4600	15.1	21.3	12.4	9.8	1.12	0.70	16.9	4.7	1.8
4800	14.7	21.1	11.7	9.5	1.12	0.71	17.0	4.3	1.8
5000	14.4	21.0	11.0	9.3	1.12	0.71	17.2	3.6	1.9
5200	14.0	20.9	10.4	9.1	1.13	0.72	17.4	3.7	1.9
5400	13.7	20.7	9.8	8.8	1.13	0.73	16.9	4.0	1.9
5600	13.3	20.6	9.3	8.5	1.13	0.74	16.8	3.7	2.0
5800	13.0	20.6	8.8	8.2	1.14	0.75	16.2	4.1	2.1
6000	12.6	20.5	8.4	7.9	1.14	0.76	15.3	3.9	2.2
6200	12.3	20.4	8.0	7.6	1.14	0.76	14.7	3.7	2.2
6400	11.9	20.4	7.6	7.4	1.14	0.78	14.3	3.5	2.3
6600	11.6	20.3	7.2	7.2	1.15	0.79	13.4	3.2	2.3
6800	11.2	20.3	6.9	7.1	1.15	0.80	13.5	3.1	2.4
7000	10.9	20.3	6.6	6.9	1.15	0.82	13.1	2.5	2.5

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: $V_S = +4.75$ V, $I_S = 14$ mA @ 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)			(dBm)	(dBm)	(dB)
10	21.4	23.6	24.0	28.8	1.03	0.40	17.3	5.0	3.6
100	21.3	23.7	22.8	28.4	1.03	0.41	18.8	4.0	2.6
200	21.3	23.6	22.6	26.3	1.03	0.42	20.3	4.1	2.6
300	21.2	23.6	22.2	24.3	1.03	0.42	17.9	3.9	2.5
400	21.1	23.6	21.7	22.4	1.03	0.43	17.8	3.9	2.6
500	21.1	23.6	21.3	20.9	1.03	0.44	18.5	4.3	2.5
600	21.0	23.5	21.0	19.7	1.03	0.45	18.7	4.2	2.6
700	20.8	23.5	20.4	18.7	1.03	0.46	18.6	4.2	2.6
800	20.7	23.5	19.9	17.7	1.03	0.48	19.1	4.4	2.6
900	20.5	23.4	19.4	17.0	1.02	0.49	18.6	4.4	2.5
1000	20.4	23.4	18.8	16.3	1.02	0.51	18.7	3.7	2.5
1200	20.0	23.2	17.8	15.3	1.02	0.54	17.5	3.8	2.6
1400	19.6	23.1	16.9	14.6	1.02	0.57	18.1	3.6	2.6
1600	19.2	22.9	16.0	14.1	1.02	0.60	17.4	3.3	2.6
1800	18.8	22.8	15.2	13.8	1.02	0.63	16.9	2.5	2.7
2000	18.3	22.6	14.5	13.7	1.02	0.66	16.8	2.6	2.6
2200	17.9	22.4	14.0	13.7	1.03	0.69	16.2	2.0	2.7
2400	17.5	22.2	13.6	13.6	1.03	0.71	17.5	2.7	2.8
2600	17.1	22.0	13.3	13.5	1.04	0.73	17.2	3.0	2.7
2800	16.7	21.8	13.1	13.4	1.05	0.75	18.2	3.4	2.7
3000	16.3	21.6	12.9	13.2	1.06	0.76	18.2	4.1	2.7
3200	15.8	21.5	12.8	12.9	1.07	0.78	17.4	4.5	2.8
3400	15.4	21.3	12.6	12.7	1.08	0.79	17.4	4.9	2.8
3600	15.1	21.1	12.4	12.5	1.09	0.80	17.1	4.6	2.9
3800	14.7	21.0	12.1	12.3	1.10	0.81	16.2	4.6	2.9
4000	14.3	20.8	11.8	12.1	1.11	0.83	16.0	4.6	2.9
4200	13.9	20.7	11.5	11.8	1.12	0.84	16.2	3.9	2.9
4400	13.5	20.6	11.0	11.6	1.13	0.85	15.1	3.6	2.9
4600	13.2	20.5	10.6	11.3	1.15	0.86	15.1	2.8	3.0
4800	12.8	20.4	10.2	11.0	1.16	0.87	15.2	2.5	3.0
5000	12.4	20.3	9.7	10.7	1.17	0.89	15.5	2.0	3.1
5200	12.1	20.3	9.2	10.4	1.18	0.90	15.2	1.9	3.1
5400	11.7	20.3	8.7	10.0	1.19	0.91	14.7	2.1	3.2
5600	11.3	20.2	8.3	9.7	1.20	0.93	14.4	1.7	3.2
5800	10.9	20.3	7.9	9.4	1.21	0.94	14.0	1.9	3.4
6000	10.5	20.3	7.5	9.0	1.23	0.96	13.2	1.7	3.5
6200	10.1	20.3	7.1	8.8	1.24	0.97	12.5	1.5	3.6
6400	9.7	20.4	6.7	8.6	1.26	0.99	12.0	1.3	3.6
6600	9.3	20.4	6.4	8.5	1.27	1.01	11.4	0.9	3.7
6800	8.9	20.5	6.1	8.4	1.29	1.03	11.4	0.7	3.9
7000	8.5	20.5	5.9	8.3	1.31	1.05	10.9	0.3	4.0

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: $V_S = +5\text{ V}$, $I_S = 17\text{ mA}$ @ 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)			(dBm)	(dBm)	(dB)
10	22.3	24.4	34.1	24.1	1.03	0.38	17.6	7.2	3.6
100	22.2	24.4	38.3	24.9	1.03	0.39	20.6	6.0	2.5
200	22.2	24.4	37.4	23.7	1.03	0.39	21.7	6.1	2.5
300	22.1	24.4	35.8	22.4	1.03	0.40	18.9	5.9	2.4
400	22.0	24.4	33.8	21.1	1.03	0.41	20.1	5.9	2.5
500	21.9	24.3	32.2	19.9	1.03	0.42	20.1	6.3	2.5
600	21.8	24.3	30.6	18.8	1.03	0.43	19.7	6.2	2.5
700	21.6	24.3	29.2	17.9	1.03	0.45	19.7	6.2	2.5
800	21.5	24.2	28.0	17.2	1.03	0.46	20.7	6.4	2.5
900	21.3	24.2	26.8	16.5	1.03	0.48	19.7	6.4	2.5
1000	21.1	24.1	25.5	16.0	1.03	0.49	19.6	5.7	2.5
1200	20.7	24.0	23.4	15.1	1.04	0.52	19.2	5.9	2.6
1400	20.3	23.9	21.7	14.5	1.04	0.55	19.3	5.6	2.6
1600	19.8	23.7	20.0	14.0	1.04	0.59	18.9	5.3	2.6
1800	19.3	23.5	18.6	13.8	1.05	0.62	18.2	4.4	2.6
2000	18.9	23.3	17.6	13.7	1.05	0.64	17.8	4.5	2.6
2200	18.4	23.1	16.7	13.6	1.06	0.67	17.5	3.8	2.6
2400	18.0	22.9	16.0	13.4	1.07	0.69	18.6	4.6	2.7
2600	17.5	22.6	15.5	13.2	1.08	0.71	18.5	4.8	2.7
2800	17.1	22.4	15.1	13.0	1.09	0.73	18.4	5.2	2.7
3000	16.6	22.2	14.8	12.8	1.10	0.74	19.3	5.7	2.7
3200	16.2	22.0	14.5	12.5	1.11	0.76	18.0	5.7	2.7
3400	15.8	21.8	14.2	12.3	1.12	0.77	18.1	5.9	2.8
3600	15.4	21.7	13.8	12.1	1.13	0.78	17.6	5.5	2.8
3800	15.0	21.5	13.5	11.9	1.14	0.79	16.3	5.4	2.9
4000	14.6	21.3	13.0	11.7	1.16	0.80	16.2	5.2	2.9
4200	14.2	21.1	12.5	11.4	1.16	0.81	16.2	4.6	2.9
4400	13.8	21.0	12.0	11.1	1.17	0.82	15.1	4.3	3.0
4600	13.4	20.9	11.5	10.9	1.18	0.83	15.4	3.6	3.0
4800	13.1	20.7	10.9	10.5	1.19	0.84	15.5	3.3	3.0
5000	12.7	20.6	10.4	10.2	1.20	0.85	15.7	2.8	3.1
5200	12.3	20.6	9.8	9.9	1.21	0.86	15.2	2.7	3.1
5400	11.9	20.5	9.3	9.5	1.22	0.87	15.0	2.7	3.2
5600	11.5	20.5	8.8	9.2	1.23	0.88	14.3	2.4	3.2
5800	11.1	20.4	8.3	8.9	1.24	0.89	14.3	2.5	3.3
6000	10.7	20.4	7.8	8.6	1.25	0.91	13.3	2.2	3.5
6200	10.3	20.4	7.4	8.3	1.26	0.92	12.8	1.9	3.6
6400	9.9	20.4	7.1	8.2	1.27	0.94	12.2	1.7	3.7
6600	9.5	20.5	6.7	8.1	1.29	0.96	11.3	1.3	3.7
6800	9.1	20.5	6.4	8.0	1.30	0.98	11.5	1.1	3.9
7000	8.7	20.5	6.1	8.0	1.32	1.00	10.9	0.7	4.0

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: $V_S = +5.25\text{ V}$, $I_S = 19\text{mA}$ @ 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)			(dBm)	(dBm)	(dB)
10	22.9	25.1	21.0	17.6	1.03	0.37	18.7	8.9	3.6
100	22.9	25.1	22.2	18.1	1.03	0.37	21.3	7.7	2.5
200	22.8	25.1	22.4	17.8	1.03	0.38	21.9	7.8	2.5
300	22.8	25.1	22.9	17.5	1.03	0.39	21.2	7.5	2.4
400	22.7	25.0	23.4	17.1	1.03	0.39	20.6	7.5	2.5
500	22.5	25.0	23.8	16.6	1.03	0.41	21.5	8.0	2.4
600	22.4	25.0	24.2	16.1	1.03	0.42	20.6	7.8	2.5
700	22.2	24.9	25.0	15.6	1.03	0.43	20.9	7.9	2.5
800	22.0	24.9	25.7	15.3	1.04	0.45	21.8	8.1	2.5
900	21.8	24.8	26.4	14.9	1.04	0.46	21.2	8.0	2.4
1000	21.6	24.8	27.2	14.6	1.04	0.48	20.3	7.4	2.5
1200	21.2	24.6	27.6	14.0	1.05	0.51	20.4	7.5	2.5
1400	20.7	24.5	26.4	13.6	1.05	0.54	20.6	7.2	2.6
1600	20.2	24.3	24.3	13.3	1.06	0.57	19.9	6.9	2.6
1800	19.7	24.0	22.2	13.2	1.07	0.60	19.2	6.0	2.6
2000	19.3	23.8	20.6	13.1	1.07	0.63	18.3	6.0	2.6
2200	18.8	23.6	19.2	13.0	1.08	0.66	18.8	5.4	2.6
2400	18.3	23.3	18.3	12.9	1.09	0.68	19.8	6.0	2.7
2600	17.8	23.1	17.5	12.7	1.10	0.69	19.2	6.2	2.7
2800	17.3	22.9	16.8	12.5	1.11	0.71	19.2	6.5	2.7
3000	16.9	22.6	16.4	12.3	1.12	0.72	18.7	6.8	2.7
3200	16.4	22.4	15.9	12.0	1.14	0.74	18.2	6.7	2.7
3400	16.0	22.2	15.5	11.8	1.15	0.75	17.9	6.6	2.8
3600	15.6	22.0	15.0	11.7	1.16	0.76	17.7	6.1	2.8
3800	15.2	21.8	14.5	11.4	1.17	0.77	16.5	5.9	2.9
4000	14.8	21.6	14.0	11.2	1.18	0.78	16.6	5.7	2.9
4200	14.4	21.4	13.4	11.0	1.19	0.78	16.5	5.1	2.9
4400	14.0	21.2	12.7	10.7	1.19	0.79	15.1	4.8	3.0
4600	13.6	21.1	12.1	10.4	1.20	0.80	15.5	4.2	3.0
4800	13.3	20.9	11.5	10.1	1.21	0.81	15.4	3.8	3.0
5000	12.9	20.8	10.9	9.8	1.22	0.82	16.2	3.5	3.1
5200	12.5	20.7	10.2	9.5	1.22	0.83	15.4	3.2	3.1
5400	12.1	20.6	9.7	9.1	1.23	0.83	15.3	3.2	3.2
5600	11.7	20.6	9.1	8.8	1.24	0.84	14.9	2.8	3.3
5800	11.3	20.5	8.6	8.5	1.25	0.86	14.3	2.9	3.3
6000	10.9	20.5	8.1	8.2	1.25	0.87	13.6	2.6	3.5
6200	10.5	20.5	7.7	8.0	1.26	0.88	12.9	2.3	3.6
6400	10.1	20.5	7.3	7.8	1.27	0.90	12.4	2.0	3.6
6600	9.7	20.5	6.9	7.8	1.29	0.92	11.5	1.6	3.8
6800	9.3	20.5	6.6	7.7	1.30	0.94	11.6	1.5	3.9
7000	8.9	20.5	6.3	7.7	1.32	0.96	11.0	1.1	4.0