

## Typical Performance Data

**NOTE: Use PDF Bookmarks to view DATA at required conditions**

**Definitions:**

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = -S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS:  $V_{DD} = +6.00\text{ V}$ ,  $I_{DD} = 148\text{mA}$  @ Temperature =  $+25^{\circ}\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400	21.3	29.0	-12.1	-8.4	1.3	0.7	40.7	25.0	3.3
600	21.3	28.9	-13.0	-9.2	1.3	0.7	40.4	25.1	3.2
800	21.3	28.9	-13.2	-9.7	1.3	0.7	39.3	25.1	3.2
1000	21.1	28.8	-13.0	-10.1	1.3	0.7	39.2	25.5	3.1
1200	21.0	28.8	-12.6	-10.5	1.3	0.8	37.7	25.3	3.1
1400	20.9	28.7	-12.2	-11.1	1.3	0.8	36.1	25.2	3.1
1600	20.7	28.7	-12.0	-11.8	1.3	0.8	35.1	25.3	3.1
1800	20.5	28.7	-11.9	-12.5	1.3	0.8	34.7	25.4	3.1
2000	20.4	28.6	-11.9	-13.4	1.3	0.9	34.0	25.4	3.0
2200	20.3	28.5	-12.1	-14.3	1.3	0.9	34.2	25.6	3.0
2400	20.1	28.5	-12.3	-15.0	1.4	0.9	33.1	25.3	2.9
2600	20.0	28.5	-12.8	-15.7	1.4	0.9	33.6	25.6	3.0
2800	19.8	28.4	-13.2	-16.5	1.4	0.9	33.3	25.4	3.0
3000	19.7	28.3	-13.3	-17.1	1.4	0.9	33.7	25.7	2.9
3200	19.7	28.1	-13.2	-17.1	1.4	0.9	34.0	25.8	2.8
3400	19.6	28.0	-13.1	-17.2	1.4	0.9	33.5	25.6	2.8
3600	19.6	27.8	-13.0	-17.2	1.4	0.9	33.6	25.8	2.7
3800	19.5	27.7	-12.8	-17.3	1.4	0.9	33.7	25.9	2.7
4000	19.4	27.7	-12.5	-17.5	1.4	0.9	33.8	25.7	2.6
4200	19.3	27.5	-12.3	-17.5	1.4	0.9	33.8	25.8	2.6
4400	19.2	27.5	-12.2	-17.3	1.3	0.9	34.0	25.9	2.5
4600	19.1	27.4	-12.3	-16.9	1.4	0.9	33.9	25.8	2.5
4800	19.0	27.3	-12.6	-16.1	1.3	0.9	34.0	25.6	2.5
5000	18.9	27.2	-13.2	-15.3	1.3	0.9	33.7	25.0	2.5
5200	18.9	27.0	-14.1	-14.3	1.3	0.9	33.7	25.0	2.6
5400	18.8	27.0	-15.1	-13.2	1.3	0.8	34.0	25.1	2.4
5600	18.7	26.8	-16.0	-12.1	1.3	0.8	33.8	24.8	2.2
5800	18.6	26.8	-16.1	-11.4	1.3	0.8	33.9	24.8	2.2
6000	18.5	26.7	-15.2	-10.7	1.3	0.8	33.6	24.3	2.4
6200	18.3	26.7	-13.8	-10.3	1.3	0.8	33.4	24.0	2.4
6400	18.1	26.7	-12.6	-10.1	1.3	0.9	33.5	23.7	2.5
6600	17.8	26.8	-11.6	-10.2	1.3	0.9	33.4	23.3	2.5
6800	17.4	27.0	-11.3	-11.1	1.4	0.9	33.7	23.2	2.5
7000	17.4	26.8	-10.8	-11.0	1.5	1.0	33.9	23.3	2.5
7200	17.4	26.7	-10.6	-10.3	1.5	1.0	33.9	23.4	2.5
7400	17.3	26.6	-10.9	-10.0	1.6	1.0	34.0	23.3	2.5
7600	17.2	26.5	-11.5	-9.8	1.7	0.9	34.0	22.9	2.5
7800	17.1	26.5	-12.1	-9.5	1.7	0.9	33.9	22.9	2.6
8000	16.8	26.7	-11.6	-9.2	1.7	0.9	34.1	22.9	2.7

## Typical Performance Data

### Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = -S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS:  $V_{DD} = +5.50\text{ V}$ ,  $I_{DD} = 128\text{mA}$  @ Temperature =  $+25^{\circ}\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400	21.0	28.7	-12.1	-8.4	1.3	0.7	40.8	24.1	3.2
600	21.0	28.6	-13.0	-9.2	1.3	0.7	40.6	24.2	3.1
800	20.9	28.6	-13.2	-9.7	1.3	0.7	38.8	24.2	3.1
1000	20.8	28.5	-13.0	-10.1	1.3	0.7	38.4	24.6	3.1
1200	20.7	28.5	-12.7	-10.5	1.3	0.8	36.7	24.5	3.1
1400	20.6	28.5	-12.3	-11.1	1.3	0.8	35.1	24.3	3.1
1600	20.4	28.4	-12.1	-11.8	1.3	0.8	34.3	24.4	3.0
1800	20.2	28.4	-12.0	-12.6	1.3	0.8	34.0	24.5	3.0
2000	20.1	28.3	-12.0	-13.5	1.3	0.9	33.4	24.5	3.0
2200	20.0	28.3	-12.2	-14.3	1.3	0.9	33.6	24.7	2.9
2400	19.9	28.2	-12.5	-15.0	1.4	0.9	32.7	24.4	2.9
2600	19.7	28.2	-12.9	-15.7	1.4	0.9	33.2	24.8	2.9
2800	19.5	28.1	-13.4	-16.5	1.4	0.9	33.0	24.6	2.9
3000	19.5	28.0	-13.4	-17.1	1.4	0.9	33.5	24.8	2.8
3200	19.4	27.8	-13.3	-17.1	1.4	0.9	33.7	24.9	2.8
3400	19.4	27.7	-13.3	-17.1	1.4	0.9	33.2	24.8	2.7
3600	19.3	27.6	-13.2	-17.1	1.4	0.9	33.4	24.9	2.6
3800	19.3	27.5	-12.9	-17.2	1.4	0.9	33.6	25.0	2.6
4000	19.2	27.4	-12.6	-17.3	1.4	0.9	33.6	24.9	2.6
4200	19.1	27.3	-12.4	-17.3	1.4	0.9	33.6	25.0	2.5
4400	19.0	27.2	-12.3	-17.2	1.4	0.9	33.9	25.1	2.5
4600	18.9	27.1	-12.4	-16.7	1.3	0.9	33.8	25.0	2.5
4800	18.8	27.0	-12.8	-16.0	1.3	0.9	33.8	24.8	2.4
5000	18.7	26.9	-13.4	-15.1	1.3	0.9	33.4	24.2	2.4
5200	18.7	26.8	-14.3	-14.2	1.3	0.9	33.5	24.2	2.6
5400	18.6	26.7	-15.3	-13.1	1.3	0.8	33.8	24.4	2.4
5600	18.5	26.6	-16.3	-12.0	1.3	0.8	33.6	24.0	2.2
5800	18.4	26.5	-16.5	-11.3	1.3	0.8	33.7	24.0	2.3
6000	18.3	26.5	-15.6	-10.6	1.3	0.8	33.4	23.6	2.3
6200	18.1	26.5	-14.2	-10.2	1.3	0.8	33.3	23.2	2.4
6400	18.0	26.5	-12.9	-10.0	1.3	0.9	33.5	22.9	2.4
6600	17.7	26.6	-11.9	-10.1	1.3	0.9	33.5	22.5	2.4
6800	17.3	26.8	-11.6	-11.0	1.4	0.9	33.6	22.4	2.4
7000	17.3	26.6	-11.1	-11.0	1.5	1.0	33.7	22.4	2.4
7200	17.3	26.5	-10.8	-10.3	1.5	1.0	33.7	22.5	2.5
7400	17.2	26.4	-11.2	-10.0	1.6	1.0	33.8	22.5	2.5
7600	17.1	26.3	-11.8	-9.7	1.7	0.9	34.0	22.0	2.5
7800	17.0	26.3	-12.4	-9.4	1.7	0.9	33.9	22.1	2.5
8000	16.6	26.5	-11.9	-9.1	1.7	0.9	33.9	22.0	2.7

## Typical Performance Data

**Definitions:**

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = -S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS:  $V_{DD} = +6.50\text{ V}$ ,  $I_{DD} = 170\text{ mA}$  @ Temperature =  $+25^{\circ}\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400	21.5	29.2	-12.2	-8.5	1.3	0.7	40.6	25.8	3.3
600	21.5	29.1	-13.1	-9.4	1.3	0.7	40.4	25.9	3.3
800	21.5	29.0	-13.2	-9.9	1.3	0.7	39.7	25.9	3.2
1000	21.4	29.0	-13.0	-10.3	1.3	0.7	39.7	26.2	3.2
1200	21.2	29.0	-12.6	-10.7	1.3	0.8	38.5	26.1	3.2
1400	21.0	28.9	-12.2	-11.3	1.3	0.8	37.1	26.0	3.2
1600	20.9	28.9	-11.9	-12.0	1.3	0.8	36.0	26.0	3.1
1800	20.7	28.9	-11.8	-12.8	1.3	0.8	35.6	26.2	3.2
2000	20.6	28.8	-11.8	-13.7	1.3	0.9	34.8	26.2	3.1
2200	20.4	28.7	-11.9	-14.5	1.3	0.9	34.8	26.4	3.0
2400	20.3	28.6	-12.2	-15.2	1.4	0.9	33.7	26.0	3.0
2600	20.1	28.6	-12.6	-16.0	1.4	0.9	34.2	26.4	3.1
2800	19.9	28.6	-13.0	-16.7	1.4	0.9	33.9	26.2	3.0
3000	19.9	28.5	-13.1	-17.3	1.4	0.9	34.3	26.4	2.9
3200	19.8	28.3	-13.0	-17.3	1.4	0.9	34.5	26.6	2.9
3400	19.8	28.1	-12.9	-17.3	1.4	0.9	33.9	26.4	2.9
3600	19.7	28.0	-12.8	-17.3	1.4	0.9	34.1	26.5	2.8
3800	19.6	27.9	-12.6	-17.4	1.4	0.9	34.2	26.6	2.7
4000	19.5	27.8	-12.3	-17.6	1.4	0.9	34.1	26.5	2.7
4200	19.4	27.7	-12.1	-17.6	1.4	0.9	34.2	26.5	2.7
4400	19.3	27.6	-11.9	-17.4	1.3	0.9	34.4	26.6	2.6
4600	19.2	27.5	-12.1	-17.0	1.3	0.9	34.3	26.4	2.6
4800	19.1	27.4	-12.4	-16.2	1.3	0.9	34.4	26.2	2.6
5000	19.1	27.3	-13.0	-15.4	1.3	0.9	34.0	25.6	2.5
5200	19.0	27.2	-13.8	-14.4	1.3	0.9	34.1	25.6	2.6
5400	18.9	27.1	-14.8	-13.3	1.3	0.9	34.4	25.8	2.5
5600	18.8	27.0	-15.6	-12.1	1.3	0.8	34.2	25.5	2.3
5800	18.7	26.9	-15.7	-11.4	1.3	0.8	34.3	25.4	2.2
6000	18.6	26.8	-14.8	-10.8	1.3	0.8	33.9	25.0	2.4
6200	18.4	26.8	-13.6	-10.4	1.3	0.8	33.7	24.6	2.5
6400	18.2	26.8	-12.3	-10.2	1.3	0.9	33.9	24.4	2.5
6600	17.9	26.9	-11.4	-10.2	1.3	0.9	33.7	24.0	2.5
6800	17.5	27.1	-11.0	-11.1	1.4	0.9	34.1	23.9	2.5
7000	17.5	27.0	-10.6	-11.0	1.5	1.0	34.4	24.0	2.6
7200	17.5	26.8	-10.4	-10.4	1.5	1.0	34.4	24.1	2.6
7400	17.4	26.7	-10.7	-10.1	1.6	1.0	34.4	24.0	2.6
7600	17.3	26.6	-11.2	-9.8	1.7	0.9	34.4	23.6	2.6
7800	17.2	26.6	-11.8	-9.6	1.7	0.9	34.4	23.7	2.7
8000	16.8	26.8	-11.3	-9.2	1.7	0.9	34.6	23.6	2.8

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**Definitions:**

Input Return Loss = S11 (dB)

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Isolation = -S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS:  $V_{DD} = +6.00\text{ V}$ ,  $I_{DD} = 171\text{mA}$  @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
400	20.7	29.2	-10.6	-6.2	1.3	0.6	39.1	25.0	2.7
600	20.8	29.1	-11.2	-6.6	1.3	0.6	39.4	25.1	2.7
800	20.8	29.0	-11.4	-6.9	1.3	0.6	39.1	25.2	2.6
1000	20.7	29.0	-11.4	-7.1	1.3	0.6	39.6	25.5	2.6
1200	20.7	29.0	-11.3	-7.4	1.3	0.7	39.4	25.4	2.6
1400	20.6	28.9	-11.3	-7.8	1.3	0.7	38.2	25.3	2.6
1600	20.6	28.8	-11.5	-8.4	1.3	0.7	37.3	25.3	2.6
1800	20.6	28.7	-11.9	-8.9	1.3	0.7	36.9	25.4	2.6
2000	20.6	28.6	-12.5	-9.6	1.3	0.8	35.7	25.5	2.5
2200	20.6	28.4	-13.2	-10.4	1.3	0.8	35.7	25.7	2.4
2400	20.5	28.3	-14.1	-11.1	1.3	0.8	34.0	25.4	2.4
2600	20.5	28.3	-15.3	-11.8	1.3	0.8	34.5	25.7	2.4
2800	20.3	28.3	-16.7	-12.6	1.4	0.8	33.8	25.5	2.4
3000	20.3	28.1	-17.7	-13.6	1.4	0.8	34.1	25.7	2.3
3200	20.4	27.9	-17.7	-14.0	1.3	0.8	34.2	25.9	2.3
3400	20.4	27.7	-17.4	-14.3	1.3	0.8	33.4	25.8	2.2
3600	20.4	27.6	-17.1	-14.5	1.3	0.8	33.6	26.0	2.2
3800	20.3	27.5	-16.5	-14.7	1.3	0.8	33.5	26.0	2.1
4000	20.2	27.4	-15.9	-14.9	1.3	0.8	33.3	25.8	2.1
4200	20.2	27.3	-15.5	-15.1	1.3	0.8	33.4	26.0	2.1
4400	20.1	27.3	-15.3	-15.3	1.3	0.8	33.5	26.0	2.0
4600	20.0	27.2	-15.5	-15.4	1.3	0.8	33.4	26.0	2.0
4800	20.0	27.1	-16.2	-15.3	1.3	0.8	33.7	25.8	2.0
5000	19.9	27.0	-17.3	-14.8	1.3	0.8	33.3	25.5	2.0
5200	19.9	27.0	-19.0	-14.2	1.3	0.8	33.3	25.1	2.0
5400	19.9	26.9	-21.0	-13.4	1.3	0.8	33.6	25.3	1.9
5600	19.8	26.9	-21.3	-12.2	1.3	0.8	33.5	25.1	1.9
5800	19.7	26.8	-19.7	-11.6	1.3	0.8	33.7	25.1	1.9
6000	19.7	26.7	-17.2	-10.9	1.3	0.8	33.3	24.7	1.9
6200	19.6	26.7	-15.2	-10.4	1.3	0.8	33.0	24.2	1.9
6400	19.4	26.7	-13.6	-10.3	1.3	0.8	33.2	23.9	2.0
6600	19.3	26.8	-12.6	-10.3	1.3	0.8	33.1	23.3	2.0
6800	18.8	27.2	-12.6	-11.7	1.3	0.8	33.5	22.8	2.0
7000	18.9	27.0	-12.7	-11.8	1.5	0.9	33.7	22.9	2.0
7200	19.0	26.8	-12.7	-11.4	1.4	0.9	33.7	23.0	2.0
7400	18.9	26.8	-13.7	-11.3	1.4	0.9	33.8	22.6	2.0
7600	18.7	26.9	-15.4	-11.5	1.5	0.9	34.4	22.0	1.9
7800	18.5	26.8	-16.5	-11.3	1.6	0.9	34.6	21.9	2.0
8000	18.3	27.0	-15.0	-10.8	1.6	0.9	34.9	21.9	2.1

## Typical Performance Data

**Definitions:**

Input Return Loss = S11 (dB)

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Isolation = -S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS:  $V_{DD} = +5.50\text{ V}$ ,  $I_{DD} = 147\text{mA}$  @ Temperature =  $+25^{\circ}\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400	20.4	29.0	-10.6	-6.2	1.3	0.6	40.3	24.0	2.7
600	20.5	28.8	-11.2	-6.6	1.3	0.6	40.9	24.1	2.6
800	20.5	28.8	-11.4	-6.8	1.3	0.6	40.5	24.2	2.6
1000	20.5	28.7	-11.4	-7.1	1.3	0.6	40.7	24.4	2.6
1200	20.4	28.7	-11.3	-7.4	1.3	0.7	39.7	24.3	2.6
1400	20.4	28.6	-11.4	-7.7	1.3	0.7	37.7	24.3	2.6
1600	20.4	28.6	-11.6	-8.3	1.3	0.7	36.6	24.3	2.5
1800	20.4	28.5	-12.0	-8.8	1.3	0.7	36.2	24.4	2.5
2000	20.4	28.4	-12.6	-9.5	1.3	0.8	35.1	24.5	2.4
2200	20.4	28.2	-13.4	-10.3	1.3	0.8	35.1	24.6	2.4
2400	20.3	28.1	-14.3	-11.0	1.3	0.8	33.6	24.4	2.3
2600	20.3	28.1	-15.6	-11.7	1.3	0.8	34.0	24.7	2.4
2800	20.1	28.0	-17.2	-12.5	1.4	0.8	33.5	24.5	2.4
3000	20.1	27.9	-18.2	-13.5	1.4	0.8	33.7	24.7	2.3
3200	20.2	27.7	-18.3	-13.9	1.3	0.8	33.9	24.9	2.3
3400	20.2	27.5	-18.1	-14.2	1.3	0.8	33.2	24.8	2.2
3600	20.2	27.4	-17.8	-14.4	1.3	0.8	33.4	24.9	2.1
3800	20.2	27.3	-17.1	-14.6	1.3	0.8	33.4	25.0	2.1
4000	20.1	27.3	-16.5	-14.8	1.3	0.8	33.2	24.8	2.1
4200	20.1	27.2	-16.1	-15.1	1.3	0.8	33.4	25.0	2.0
4400	20.0	27.1	-16.0	-15.3	1.3	0.8	33.6	25.0	2.0
4600	19.9	27.0	-16.2	-15.4	1.3	0.8	33.5	25.0	2.0
4800	19.9	27.0	-16.9	-15.3	1.3	0.8	33.8	24.9	1.9
5000	19.8	26.9	-18.2	-14.8	1.3	0.8	33.5	24.5	1.9
5200	19.8	26.8	-20.1	-14.2	1.3	0.8	33.5	24.1	2.0
5400	19.8	26.8	-22.6	-13.4	1.3	0.8	33.8	24.3	1.9
5600	19.7	26.8	-22.9	-12.2	1.3	0.8	33.6	24.1	1.8
5800	19.7	26.6	-20.9	-11.6	1.3	0.8	33.7	24.1	1.8
6000	19.6	26.6	-18.0	-10.9	1.3	0.7	33.5	23.6	1.9
6200	19.5	26.6	-15.8	-10.5	1.3	0.7	33.3	23.2	1.9
6400	19.4	26.6	-14.3	-10.3	1.3	0.8	33.6	22.8	1.9
6600	19.3	26.7	-13.2	-10.3	1.3	0.8	33.8	22.4	1.9
6800	18.8	27.1	-13.2	-11.7	1.3	0.8	34.2	21.8	2.0
7000	18.9	26.9	-13.5	-11.8	1.5	0.9	34.6	21.9	2.0
7200	19.0	26.6	-13.5	-11.4	1.4	0.8	34.4	22.0	1.9
7400	18.9	26.7	-14.7	-11.3	1.4	0.8	34.6	21.7	1.9
7600	18.7	26.8	-16.5	-11.5	1.5	0.9	35.4	21.0	1.9
7800	18.5	26.7	-17.7	-11.3	1.6	0.8	36.0	21.0	1.9
8000	18.3	27.0	-16.0	-10.8	1.6	0.9	36.5	21.0	2.1

## Typical Performance Data

**Definitions:**

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = -S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS:  $V_{DD} = +6.50\text{ V}$ ,  $I_{DD} = 195\text{mA}$  @ Temperature =  $+25^{\circ}\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
400	20.9	29.3	-10.7	-6.4	1.2	0.6	36.8	25.9	2.8
600	21.0	29.2	-11.3	-6.8	1.3	0.6	39.1	26.0	2.7
800	21.0	29.1	-11.5	-7.1	1.3	0.6	38.8	26.1	2.7
1000	20.9	29.1	-11.5	-7.3	1.3	0.6	38.4	26.4	2.7
1200	20.9	29.1	-11.3	-7.6	1.3	0.7	37.1	26.2	2.7
1400	20.8	29.0	-11.4	-8.0	1.3	0.7	38.3	26.2	2.7
1600	20.8	28.9	-11.5	-8.6	1.3	0.7	35.4	26.2	2.6
1800	20.7	28.9	-11.9	-9.2	1.3	0.7	34.2	26.3	2.7
2000	20.7	28.7	-12.4	-9.9	1.3	0.8	36.3	26.3	2.6
2200	20.7	28.6	-13.0	-10.7	1.3	0.8	36.2	26.5	2.5
2400	20.6	28.5	-13.9	-11.4	1.3	0.8	34.5	26.2	2.4
2600	20.6	28.4	-15.0	-12.1	1.3	0.8	35.0	26.6	2.5
2800	20.4	28.4	-16.4	-12.9	1.4	0.8	34.2	26.4	2.5
3000	20.4	28.2	-17.2	-13.9	1.4	0.8	34.5	26.6	2.4
3200	20.5	28.0	-17.1	-14.3	1.3	0.8	34.6	26.9	2.4
3400	20.5	27.9	-16.9	-14.6	1.3	0.8	33.7	26.7	2.3
3600	20.4	27.7	-16.5	-14.8	1.3	0.8	33.8	26.9	2.2
3800	20.4	27.6	-15.9	-15.0	1.3	0.8	33.8	26.9	2.2
4000	20.3	27.5	-15.3	-15.2	1.3	0.8	33.5	26.7	2.2
4200	20.2	27.5	-14.9	-15.5	1.3	0.8	33.6	26.8	2.1
4400	20.2	27.4	-14.7	-15.6	1.3	0.8	33.7	26.8	2.1
4600	20.1	27.3	-14.9	-15.7	1.3	0.8	33.5	26.8	2.1
4800	20.0	27.2	-15.5	-15.5	1.3	0.8	33.8	26.7	2.0
5000	20.0	27.2	-16.5	-15.0	1.3	0.8	33.4	26.3	2.0
5200	19.9	27.1	-18.0	-14.3	1.3	0.8	33.4	26.0	2.0
5400	19.9	27.0	-19.8	-13.5	1.3	0.8	33.7	26.2	2.0
5600	19.8	27.0	-20.1	-12.3	1.3	0.8	33.5	26.0	1.9
5800	19.8	26.9	-18.9	-11.6	1.3	0.8	33.7	26.0	1.9
6000	19.7	26.8	-16.7	-10.9	1.3	0.8	33.3	25.5	1.9
6200	19.6	26.8	-14.7	-10.5	1.3	0.8	33.0	25.1	2.0
6400	19.5	26.8	-13.2	-10.4	1.3	0.8	33.1	24.8	2.0
6600	19.3	26.9	-12.2	-10.3	1.3	0.8	33.0	24.3	2.0
6800	18.8	27.3	-12.1	-11.8	1.3	0.8	33.2	23.8	2.1
7000	18.9	27.1	-12.1	-11.9	1.5	0.9	33.4	23.9	2.0
7200	19.0	26.8	-12.1	-11.4	1.4	0.9	33.5	23.9	2.0
7400	18.8	26.8	-13.1	-11.4	1.4	0.9	33.5	23.5	2.0
7600	18.6	26.9	-14.6	-11.6	1.6	0.9	33.6	22.8	2.0
7800	18.5	26.9	-15.6	-11.3	1.6	0.9	33.8	22.8	2.0
8000	18.2	27.1	-14.4	-10.8	1.6	0.9	34.0	22.8	2.2

## Typical Performance Data

### Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = -S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS:  $V_{DD} = +6.00\text{ V}$ ,  $I_{DD} = 142\text{mA}$  @ Temperature =  $+25^{\circ}\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dB)
400	21.3	28.9	-12.6	-9.7	1.3	0.7	40.3	24.8	3.6
600	21.4	28.8	-13.6	-11.0	1.3	0.7	40.1	24.9	3.5
800	21.3	28.7	-13.7	-11.7	1.3	0.8	38.9	24.9	3.5
1000	21.2	28.7	-13.3	-12.2	1.3	0.8	38.8	25.2	3.5
1200	21.1	28.7	-12.7	-12.7	1.3	0.8	37.2	25.1	3.5
1400	20.9	28.7	-12.1	-13.4	1.3	0.8	35.7	25.0	3.5
1600	20.7	28.7	-11.6	-14.2	1.3	0.9	34.9	25.0	3.4
1800	20.6	28.7	-11.4	-14.9	1.3	0.9	34.7	25.1	3.5
2000	20.5	28.6	-11.3	-15.7	1.3	0.9	34.2	25.1	3.4
2200	20.3	28.5	-11.3	-16.4	1.4	0.9	34.4	25.2	3.3
2400	20.2	28.5	-11.5	-16.7	1.4	0.9	33.4	24.9	3.3
2600	20.0	28.5	-11.8	-16.9	1.4	0.9	34.2	25.2	3.3
2800	19.9	28.4	-12.1	-17.0	1.4	0.9	33.9	25.0	3.3
3000	19.8	28.3	-12.2	-16.8	1.4	0.9	34.5	25.1	3.2
3200	19.8	28.2	-12.2	-16.5	1.4	0.9	34.8	25.1	3.2
3400	19.7	28.0	-12.1	-16.3	1.4	0.9	34.3	25.1	3.1
3600	19.7	27.9	-12.0	-16.3	1.4	0.9	34.5	25.1	3.0
3800	19.6	27.8	-11.7	-16.4	1.4	0.9	34.8	25.1	3.0
4000	19.5	27.6	-11.3	-16.6	1.4	0.9	35.0	25.1	3.0
4200	19.4	27.6	-11.1	-16.6	1.4	0.9	34.8	25.1	3.0
4400	19.3	27.5	-10.9	-16.7	1.4	0.9	35.3	25.1	2.9
4600	19.2	27.4	-10.9	-16.4	1.4	0.9	35.0	24.9	2.9
4800	19.1	27.2	-11.2	-15.7	1.4	0.9	35.1	24.7	2.8
5000	19.1	27.1	-11.8	-15.0	1.4	0.9	34.6	24.2	2.8
5200	19.1	26.9	-12.6	-14.1	1.4	0.9	34.7	24.3	2.8
5400	19.0	26.9	-13.6	-13.1	1.4	0.9	35.1	24.3	2.7
5600	18.9	26.7	-14.4	-12.1	1.3	0.9	34.7	24.1	2.7
5800	18.9	26.6	-14.4	-11.5	1.3	0.9	34.8	23.9	2.7
6000	18.7	26.6	-13.5	-10.9	1.3	0.9	34.5	23.6	2.8
6200	18.6	26.6	-12.3	-10.6	1.3	0.9	34.4	23.3	2.8
6400	18.3	26.7	-11.0	-10.6	1.3	0.9	34.5	23.1	2.9
6600	18.0	26.8	-10.2	-11.1	1.4	1.0	34.3	22.7	2.9
6800	17.8	26.9	-9.7	-11.5	1.5	1.0	34.6	22.7	2.9
7000	17.6	26.9	-9.3	-11.6	1.5	1.0	34.6	22.6	2.9
7200	17.6	27.0	-9.6	-12.1	1.7	1.0	34.5	22.3	2.9
7400	17.3	27.0	-10.3	-12.0	1.8	1.0	34.6	22.2	2.9
7600	17.2	26.7	-11.1	-11.0	1.7	1.0	34.6	22.1	2.8
7800	17.1	26.5	-11.9	-10.2	1.6	0.9	34.4	22.3	2.9
8000	16.9	26.6	-11.9	-9.6	1.6	0.9	34.6	22.4	3.1



## Typical Performance Data

**Definitions:**

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = -S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS:  $V_{DD} = +5.50\text{ V}$ ,  $I_{DD} = 123\text{mA}$  @ Temperature =  $+25^{\circ}\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400	21.1	28.6	-12.6	-9.8	1.3	0.7	40.4	23.9	3.6
600	21.1	28.5	-13.6	-11.1	1.3	0.7	39.9	24.0	3.5
800	21.1	28.5	-13.7	-11.8	1.3	0.8	38.1	24.0	3.5
1000	20.9	28.5	-13.3	-12.3	1.3	0.8	37.8	24.3	3.4
1200	20.8	28.4	-12.7	-12.8	1.3	0.8	36.1	24.2	3.5
1400	20.7	28.5	-12.1	-13.5	1.3	0.8	34.8	24.1	3.5
1600	20.5	28.4	-11.7	-14.3	1.3	0.9	34.1	24.1	3.4
1800	20.3	28.4	-11.4	-15.0	1.3	0.9	34.0	24.3	3.4
2000	20.2	28.4	-11.3	-15.8	1.3	0.9	33.6	24.2	3.3
2200	20.1	28.3	-11.3	-16.4	1.4	0.9	33.9	24.4	3.3
2400	19.9	28.3	-11.5	-16.7	1.4	0.9	33.0	24.0	3.3
2600	19.8	28.2	-11.8	-16.8	1.4	0.9	33.8	24.4	3.3
2800	19.6	28.2	-12.1	-16.8	1.4	0.9	33.6	24.1	3.2
3000	19.6	28.1	-12.2	-16.6	1.4	0.9	34.3	24.3	3.1
3200	19.5	27.9	-12.2	-16.3	1.4	0.9	34.6	24.4	3.1
3400	19.5	27.8	-12.1	-16.1	1.4	0.9	34.2	24.2	3.1
3600	19.4	27.6	-12.0	-16.1	1.4	0.9	34.4	24.3	3.0
3800	19.4	27.5	-11.7	-16.2	1.4	0.9	34.7	24.4	3.0
4000	19.3	27.4	-11.3	-16.4	1.4	0.9	34.9	24.3	3.0
4200	19.2	27.4	-11.0	-16.4	1.4	0.9	34.7	24.4	2.9
4400	19.1	27.3	-10.9	-16.4	1.4	0.9	35.1	24.3	2.9
4600	19.0	27.2	-10.9	-16.1	1.4	0.9	34.8	24.2	2.9
4800	18.9	27.0	-11.3	-15.5	1.4	0.9	34.9	24.0	2.8
5000	18.9	26.9	-11.8	-14.8	1.4	0.9	34.3	23.5	2.8
5200	18.9	26.7	-12.7	-13.9	1.3	0.9	34.4	23.6	2.7
5400	18.8	26.7	-13.6	-12.9	1.4	0.9	34.7	23.6	2.7
5600	18.7	26.5	-14.5	-11.9	1.3	0.9	34.4	23.3	2.7
5800	18.7	26.5	-14.5	-11.3	1.3	0.9	34.4	23.2	2.6
6000	18.5	26.4	-13.6	-10.8	1.3	0.9	34.2	22.9	2.7
6200	18.4	26.4	-12.4	-10.5	1.3	0.9	34.2	22.5	2.8
6400	18.2	26.5	-11.1	-10.5	1.3	0.9	34.3	22.3	2.8
6600	17.8	26.7	-10.3	-10.9	1.4	1.0	34.4	21.9	2.8
6800	17.6	26.8	-9.8	-11.3	1.5	1.0	34.3	21.9	2.9
7000	17.4	26.8	-9.5	-11.5	1.5	1.0	34.3	21.9	2.9
7200	17.4	26.8	-9.7	-12.0	1.7	1.0	34.6	21.6	2.8
7400	17.2	26.8	-10.4	-11.8	1.8	1.0	34.5	21.5	2.8
7600	17.0	26.6	-11.2	-10.8	1.7	1.0	34.5	21.4	2.8
7800	16.9	26.4	-12.1	-10.0	1.6	0.9	34.2	21.6	2.9
8000	16.7	26.5	-12.1	-9.5	1.6	0.9	34.1	21.7	3.0



## Typical Performance Data

**Definitions:**

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = -S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS:  $V_{DD} = +6.50\text{ V}$ ,  $I_{DD} = 159\text{mA}$  @ Temperature =  $+25^{\circ}\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400	21.5	29.0	-12.6	-9.8	1.3	0.7	39.6	25.5	3.7
600	21.6	28.9	-13.6	-11.2	1.3	0.7	40.5	25.7	3.6
800	21.5	28.9	-13.7	-11.9	1.3	0.8	39.6	25.7	3.5
1000	21.4	28.9	-13.2	-12.3	1.3	0.8	37.9	26.0	3.5
1200	21.2	28.9	-12.6	-12.9	1.3	0.8	36.7	25.9	3.5
1400	21.1	28.8	-12.1	-13.5	1.3	0.8	36.8	25.7	3.5
1600	20.9	28.8	-11.6	-14.4	1.3	0.9	34.9	25.8	3.5
1800	20.7	28.8	-11.3	-15.1	1.3	0.9	34.6	25.9	3.5
2000	20.6	28.7	-11.2	-15.9	1.3	0.9	34.9	25.8	3.4
2200	20.5	28.7	-11.3	-16.6	1.4	0.9	35.1	25.9	3.4
2400	20.3	28.6	-11.5	-16.8	1.4	0.9	34.1	25.7	3.3
2600	20.2	28.7	-11.7	-17.0	1.4	0.9	34.7	25.9	3.4
2800	20.0	28.6	-12.0	-17.1	1.4	0.9	34.5	25.7	3.3
3000	19.9	28.4	-12.1	-16.9	1.4	0.9	35.1	25.8	3.2
3200	19.9	28.3	-12.1	-16.5	1.4	0.9	35.4	25.7	3.2
3400	19.9	28.2	-12.1	-16.4	1.4	0.9	34.8	25.7	3.2
3600	19.8	28.0	-11.9	-16.4	1.4	0.9	35.0	25.8	3.1
3800	19.7	27.9	-11.6	-16.5	1.4	0.9	35.3	25.7	3.0
4000	19.6	27.8	-11.2	-16.7	1.4	0.9	35.5	25.8	3.0
4200	19.5	27.7	-11.0	-16.7	1.4	0.9	35.2	25.7	3.0
4400	19.4	27.6	-10.8	-16.7	1.4	0.9	35.8	25.6	3.0
4600	19.3	27.5	-10.9	-16.5	1.4	0.9	35.5	25.5	2.9
4800	19.3	27.3	-11.2	-15.8	1.4	0.9	35.6	25.2	2.9
5000	19.2	27.2	-11.7	-15.1	1.4	0.9	35.2	24.9	2.9
5200	19.2	27.1	-12.5	-14.2	1.4	0.9	35.3	24.8	2.8
5400	19.1	27.0	-13.4	-13.2	1.4	0.9	35.7	24.9	2.8
5600	19.1	26.9	-14.3	-12.2	1.3	0.9	35.3	24.6	2.7
5800	19.0	26.7	-14.2	-11.6	1.3	0.9	35.4	24.5	2.7
6000	18.9	26.7	-13.3	-11.0	1.3	0.9	35.2	24.2	2.8
6200	18.7	26.7	-12.1	-10.7	1.3	0.9	34.9	23.9	2.8
6400	18.5	26.8	-10.9	-10.7	1.3	0.9	35.2	23.7	2.9
6600	18.1	27.0	-10.1	-11.2	1.4	1.0	34.9	23.3	2.9
6800	17.9	27.1	-9.6	-11.6	1.5	1.0	35.4	23.3	2.9
7000	17.7	27.0	-9.2	-11.7	1.5	1.0	35.5	23.2	2.9
7200	17.7	27.1	-9.5	-12.2	1.7	1.0	35.3	22.9	2.9
7400	17.5	27.1	-10.2	-12.1	1.8	1.0	35.5	22.8	2.9
7600	17.3	26.8	-10.9	-11.1	1.7	1.0	35.4	22.7	2.9
7800	17.2	26.6	-11.8	-10.3	1.6	0.9	35.3	22.9	2.9
8000	17.0	26.7	-11.7	-9.7	1.6	0.9	35.5	22.9	3.1

## Typical Performance Data

### Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = -S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS:  $V_{DD} = 6.00V$ ,  $V_{Iadj} = 1.0V$ ,  $I_{DD} = 65mA$  @ 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	19.66	26.81	-12.63	-11.12	1.27	0.73	40.78	25.06	3.18
600	19.74	26.67	-13.73	-13.49	1.27	0.77	41.07	25.03	3.13
800	19.69	26.61	-13.87	-15.12	1.28	0.80	39.48	24.94	3.08
1000	19.59	26.62	-13.63	-16.47	1.28	0.82	38.60	25.57	3.04
1200	19.45	26.55	-13.20	-17.67	1.28	0.85	35.35	25.33	3.09
1400	19.30	26.55	-12.72	-18.74	1.29	0.87	33.83	25.38	3.06
1600	19.13	26.57	-12.23	-19.50	1.30	0.89	33.02	25.50	3.02
1800	18.95	26.58	-11.76	-19.84	1.31	0.91	32.36	25.93	2.98
2000	18.80	26.57	-11.36	-19.86	1.31	0.92	32.31	26.01	2.94
2200	18.65	26.54	-11.02	-19.18	1.32	0.93	33.14	26.60	2.90
2400	18.49	26.53	-10.77	-18.49	1.33	0.94	32.42	26.07	2.86
2600	18.30	26.56	-10.63	-17.95	1.36	0.94	32.63	26.33	2.91
2800	18.10	26.64	-10.53	-17.45	1.39	0.95	32.67	26.14	2.94
3000	17.99	26.57	-10.26	-16.60	1.39	0.95	33.41	25.99	2.90
3200	17.97	26.43	-10.01	-15.73	1.37	0.94	34.57	26.42	2.79
3400	17.96	26.31	-9.93	-15.15	1.35	0.93	34.20	26.07	2.73
3600	17.94	26.13	-10.03	-14.87	1.33	0.92	35.03	26.27	2.66
3800	17.94	26.05	-10.25	-14.72	1.33	0.92	33.87	25.98	2.60
4000	17.93	25.90	-10.60	-14.69	1.32	0.91	34.34	25.79	2.54
4200	17.92	25.77	-11.05	-14.68	1.31	0.90	35.11	26.25	2.50
4400	17.90	25.66	-11.63	-14.66	1.31	0.89	34.13	26.08	2.45
4600	17.88	25.53	-12.24	-14.45	1.30	0.88	32.90	26.36	2.41
4800	17.85	25.38	-12.91	-14.14	1.29	0.87	31.44	26.18	2.39
5000	17.80	25.33	-13.46	-13.61	1.29	0.86	31.14	26.04	2.37
5200	17.75	25.24	-13.94	-12.97	1.28	0.85	31.62	25.83	2.44
5400	17.70	25.17	-14.14	-12.23	1.26	0.85	31.64	25.18	2.36
5600	17.63	25.12	-14.14	-11.51	1.25	0.84	31.42	25.29	2.33
5800	17.54	25.05	-13.97	-10.82	1.23	0.84	31.49	24.67	2.24
6000	17.45	25.04	-13.70	-10.21	1.22	0.83	31.55	24.14	2.34
6200	17.33	25.07	-13.39	-9.66	1.21	0.83	31.48	23.83	2.31
6400	17.18	25.04	-13.18	-9.24	1.20	0.83	31.45	23.51	2.33
6600	16.84	25.28	-13.21	-9.51	1.28	0.85	31.40	23.30	2.35
6800	16.92	25.00	-12.66	-8.91	1.20	0.84	32.08	23.09	2.34
7000	16.86	24.95	-12.54	-8.35	1.18	0.83	32.31	22.97	2.35
7200	16.75	24.91	-12.51	-8.10	1.17	0.82	32.41	22.85	2.36
7400	16.62	24.90	-12.43	-7.98	1.18	0.83	32.29	22.75	2.39
7600	16.47	24.88	-12.25	-8.01	1.19	0.83	32.24	22.87	2.46
7800	16.29	24.93	-11.73	-8.18	1.21	0.85	32.49	22.60	2.59
8000	16.04	25.02	-10.84	-8.57	1.25	0.89	32.85	22.89	2.72

## Typical Performance Data

### Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = -S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS:  $V_{DD} = 6.00V$ ,  $V_{adj} = 2.0V$ ,  $I_{DD} = 107mA$  @ 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	20.87	28.50	-12.37	-8.98	1.27	0.69	41.00	24.99	3.22
600	20.93	28.31	-13.30	-10.06	1.27	0.72	41.65	24.98	3.13
800	20.89	28.25	-13.48	-10.79	1.27	0.75	40.54	24.91	3.10
1000	20.80	28.25	-13.40	-11.43	1.28	0.78	40.69	25.35	3.05
1200	20.68	28.20	-13.17	-12.11	1.29	0.80	38.01	25.16	3.09
1400	20.56	28.15	-12.90	-12.87	1.30	0.83	36.29	25.19	3.05
1600	20.41	28.10	-12.60	-13.67	1.30	0.85	35.39	25.24	3.00
1800	20.26	28.07	-12.31	-14.54	1.31	0.88	35.34	25.49	2.97
2000	20.14	28.00	-12.08	-15.56	1.32	0.89	34.95	25.56	2.95
2200	20.01	27.98	-11.88	-16.39	1.33	0.91	36.15	26.01	2.90
2400	19.86	27.94	-11.74	-17.28	1.35	0.92	34.70	25.65	2.85
2600	19.69	27.93	-11.75	-18.20	1.37	0.93	35.37	25.81	2.90
2800	19.51	27.89	-11.76	-19.26	1.39	0.94	34.99	25.76	2.94
3000	19.42	27.85	-11.56	-19.81	1.40	0.94	34.70	25.66	2.83
3200	19.39	27.69	-11.34	-19.54	1.38	0.94	35.15	25.97	2.77
3400	19.38	27.50	-11.31	-19.14	1.36	0.93	34.11	25.78	2.72
3600	19.34	27.33	-11.47	-18.79	1.35	0.92	34.72	25.90	2.63
3800	19.31	27.23	-11.76	-18.47	1.35	0.92	34.05	25.64	2.57
4000	19.27	27.07	-12.18	-18.13	1.34	0.91	33.78	25.51	2.53
4200	19.23	26.94	-12.72	-17.72	1.34	0.90	34.60	25.81	2.47
4400	19.17	26.84	-13.38	-17.12	1.34	0.89	34.45	25.69	2.46
4600	19.11	26.78	-14.03	-16.32	1.34	0.88	35.11	25.96	2.39
4800	19.04	26.61	-14.64	-15.43	1.33	0.87	34.52	25.76	2.37
5000	18.95	26.55	-15.02	-14.43	1.32	0.86	34.30	25.60	2.34
5200	18.86	26.45	-15.18	-13.49	1.31	0.85	34.47	25.40	2.31
5400	18.76	26.41	-14.99	-12.57	1.31	0.84	34.07	24.91	2.34
5600	18.66	26.35	-14.60	-11.75	1.29	0.84	34.04	25.03	2.34
5800	18.54	26.33	-14.12	-11.04	1.28	0.83	33.69	24.52	2.34
6000	18.42	26.28	-13.66	-10.43	1.27	0.83	33.66	24.11	2.31
6200	18.28	26.25	-13.26	-9.92	1.26	0.83	33.57	23.69	2.32
6400	18.11	26.33	-12.97	-9.53	1.27	0.84	33.28	23.34	2.31
6600	17.77	26.50	-13.04	-9.82	1.35	0.85	33.52	22.99	2.34
6800	17.83	26.23	-12.60	-9.35	1.27	0.85	33.80	22.73	2.32
7000	17.74	26.18	-12.44	-8.84	1.25	0.84	33.98	22.66	2.34
7200	17.61	26.14	-12.35	-8.62	1.25	0.84	34.54	22.43	2.35
7400	17.46	26.13	-12.19	-8.50	1.26	0.84	34.69	22.44	2.39
7600	17.27	26.15	-11.84	-8.52	1.28	0.85	34.93	22.56	2.46
7800	17.05	26.18	-11.16	-8.66	1.30	0.87	34.96	22.39	2.61
8000	16.76	26.34	-10.17	-8.98	1.35	0.91	35.16	22.78	2.74

## Typical Performance Data

### Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = -S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS:  $V_{DD} = 6.00V$ ,  $V_{adj} = 3.0V$ ,  $I_{DD} = 144mA$  @ 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	21.28	29.01	-12.21	-8.45	1.27	0.68	40.53	25.09	3.25
600	21.34	28.95	-13.07	-9.35	1.28	0.71	39.88	25.14	3.18
800	21.29	28.84	-13.25	-9.96	1.28	0.74	39.17	25.03	3.12
1000	21.20	28.83	-13.19	-10.53	1.29	0.76	39.09	25.47	3.09
1200	21.09	28.79	-13.01	-11.13	1.29	0.79	37.02	25.19	3.13
1400	20.96	28.72	-12.78	-11.80	1.30	0.82	35.69	25.21	3.10
1600	20.83	28.64	-12.54	-12.54	1.30	0.84	34.90	25.32	3.04
1800	20.68	28.62	-12.30	-13.35	1.32	0.87	34.66	25.49	3.02
2000	20.56	28.50	-12.13	-14.31	1.32	0.88	34.25	25.58	2.98
2200	20.44	28.49	-11.98	-15.15	1.33	0.90	34.81	25.95	2.96
2400	20.29	28.44	-11.89	-16.09	1.35	0.91	33.98	25.70	2.94
2600	20.12	28.42	-11.93	-17.11	1.38	0.92	34.25	25.86	2.95
2800	19.95	28.35	-12.01	-18.35	1.40	0.93	33.98	25.89	3.01
3000	19.86	28.29	-11.85	-19.32	1.40	0.94	33.81	25.79	2.90
3200	19.83	28.09	-11.66	-19.53	1.38	0.93	34.01	26.10	2.82
3400	19.81	27.97	-11.65	-19.40	1.37	0.93	33.45	25.93	2.78
3600	19.77	27.81	-11.83	-19.13	1.36	0.92	33.71	25.97	2.70
3800	19.73	27.65	-12.13	-18.81	1.35	0.91	33.34	25.75	2.63
4000	19.68	27.51	-12.58	-18.42	1.35	0.90	33.18	25.56	2.58
4200	19.63	27.41	-13.14	-17.86	1.35	0.90	33.61	25.82	2.53
4400	19.57	27.27	-13.79	-17.12	1.34	0.88	33.54	25.76	2.49
4600	19.49	27.10	-14.39	-16.21	1.33	0.87	33.94	25.97	2.45
4800	19.40	27.02	-14.97	-15.23	1.33	0.86	33.89	25.77	2.41
5000	19.31	26.96	-15.24	-14.20	1.33	0.85	33.99	25.57	2.42
5200	19.20	26.85	-15.23	-13.25	1.32	0.84	33.90	25.44	2.42
5400	19.10	26.78	-14.90	-12.34	1.31	0.84	33.59	24.97	2.40
5600	18.98	26.74	-14.42	-11.55	1.30	0.83	33.69	25.09	2.38
5800	18.86	26.72	-13.87	-10.85	1.29	0.83	33.28	24.58	2.36
6000	18.73	26.72	-13.35	-10.27	1.28	0.83	33.25	24.16	2.37
6200	18.58	26.65	-12.96	-9.77	1.27	0.83	33.25	23.74	2.37
6400	18.40	26.70	-12.67	-9.40	1.28	0.83	33.11	23.36	2.38
6600	18.06	26.94	-12.74	-9.70	1.36	0.85	33.30	23.02	2.39
6800	18.12	26.61	-12.37	-9.26	1.29	0.84	33.41	22.77	2.39
7000	18.03	26.54	-12.20	-8.78	1.26	0.84	33.53	22.72	2.40
7200	17.89	26.51	-12.11	-8.57	1.26	0.84	33.87	22.59	2.41
7400	17.73	26.49	-11.94	-8.45	1.27	0.84	33.96	22.71	2.46
7600	17.54	26.54	-11.58	-8.47	1.30	0.85	34.31	22.86	2.54
7800	17.30	26.58	-10.88	-8.58	1.32	0.87	34.43	22.70	2.67
8000	17.00	26.70	-9.91	-8.87	1.36	0.90	34.38	23.14	2.82

## Typical Performance Data

### Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = -S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS:  $V_{DD} = 6.00V$ ,  $V_{Iadj} = 4.0V$ ,  $I_{DD} = 174mA$  @ 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	21.49	29.27	-12.14	-8.33	1.27	0.68	40.82	25.15	3.33
600	21.54	29.19	-12.97	-9.18	1.28	0.71	40.40	25.18	3.24
800	21.49	29.09	-13.15	-9.76	1.28	0.73	39.46	25.05	3.22
1000	21.40	29.11	-13.09	-10.31	1.29	0.76	39.32	25.50	3.16
1200	21.29	29.02	-12.90	-10.88	1.29	0.79	37.40	25.20	3.19
1400	21.16	28.97	-12.69	-11.55	1.30	0.81	35.99	25.16	3.16
1600	21.03	28.90	-12.47	-12.26	1.31	0.84	35.11	25.27	3.10
1800	20.88	28.86	-12.24	-13.06	1.32	0.86	34.90	25.52	3.09
2000	20.76	28.80	-12.08	-13.97	1.33	0.88	34.49	25.61	3.04
2200	20.64	28.69	-11.94	-14.79	1.33	0.90	35.00	26.01	3.01
2400	20.49	28.63	-11.88	-15.70	1.35	0.91	34.18	25.74	2.98
2600	20.33	28.65	-11.94	-16.72	1.38	0.92	34.34	25.92	3.01
2800	20.16	28.60	-12.03	-17.95	1.40	0.93	34.18	25.95	3.04
3000	20.07	28.50	-11.90	-18.96	1.40	0.93	33.92	25.86	2.91
3200	20.04	28.38	-11.72	-19.26	1.39	0.94	34.17	26.16	2.90
3400	20.02	28.17	-11.73	-19.24	1.37	0.93	33.61	25.96	2.84
3600	19.98	28.01	-11.92	-18.99	1.36	0.92	33.88	26.02	2.76
3800	19.94	27.85	-12.24	-18.72	1.35	0.91	33.54	25.73	2.68
4000	19.88	27.68	-12.69	-18.27	1.34	0.90	33.25	25.58	2.63
4200	19.83	27.59	-13.26	-17.70	1.35	0.89	33.70	25.84	2.59
4400	19.76	27.38	-13.89	-16.93	1.33	0.88	33.68	25.72	2.58
4600	19.69	27.30	-14.50	-16.02	1.33	0.87	34.13	26.00	2.50
4800	19.60	27.23	-15.03	-15.04	1.34	0.86	34.10	25.81	2.47
5000	19.49	27.12	-15.21	-14.02	1.33	0.85	34.40	25.57	2.44
5200	19.39	27.05	-15.16	-13.06	1.32	0.84	34.31	25.39	2.40
5400	19.28	26.99	-14.75	-12.17	1.31	0.83	33.88	24.90	2.44
5600	19.16	26.96	-14.23	-11.38	1.30	0.83	34.03	25.02	2.45
5800	19.03	26.93	-13.65	-10.68	1.29	0.83	33.58	24.50	2.46
6000	18.90	26.90	-13.14	-10.11	1.28	0.82	33.59	24.08	2.42
6200	18.75	26.90	-12.74	-9.63	1.28	0.83	33.62	23.71	2.44
6400	18.57	26.89	-12.45	-9.26	1.28	0.83	33.48	23.26	2.41
6600	18.23	27.00	-12.52	-9.57	1.35	0.85	33.57	23.01	2.45
6800	18.29	26.82	-12.19	-9.11	1.29	0.84	33.72	22.77	2.44
7000	18.19	26.73	-12.05	-8.65	1.26	0.83	33.80	22.73	2.46
7200	18.05	26.71	-11.96	-8.43	1.26	0.83	34.16	22.72	2.49
7400	17.89	26.72	-11.79	-8.32	1.28	0.83	34.22	22.75	2.52
7600	17.70	26.66	-11.40	-8.32	1.29	0.84	34.51	23.00	2.61
7800	17.46	26.80	-10.73	-8.41	1.32	0.86	34.71	22.85	2.72
8000	17.15	26.90	-9.76	-8.68	1.36	0.90	34.64	23.16	2.89