

Typical Performance Data

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

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{DD} = +2.7\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 22\text{ mA}$, $I_{SHUTDOWN} = 0.0123\text{ }\mu\text{A}$ @ Temperature = +25°C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		1dB Comp. Output (dBm)	Noise Figure (dB)	IP-3 Output $P_{OUT} = +4$ dBm/Tone
					K	Measure			
800	23.8	-33.5	-2.8	-4.2	0.6	0.8	14.0	0.5	22.1
900	23.4	-32.8	-3.1	-4.4	0.6	0.8	14.6	0.4	22.1
1000	22.9	-32.3	-3.4	-4.7	0.7	0.8	14.3	0.4	21.7
1100	22.6	-31.8	-3.6	-4.9	0.7	0.8	14.5	0.4	21.0
1200	22.2	-31.3	-3.9	-5.1	0.7	0.8	14.5	0.4	22.1
1300	21.8	-31.0	-4.2	-5.3	0.8	0.9	14.5	0.4	22.1
1400	21.4	-30.6	-4.5	-5.4	0.8	0.9	14.4	0.4	22.4
1500	21.0	-30.3	-4.7	-5.6	0.8	0.9	14.7	0.4	21.5
1600	20.6	-30.0	-5.0	-5.8	0.9	0.9	14.6	0.4	22.2
1700	20.3	-29.7	-5.2	-5.9	0.9	0.9	14.6	0.4	21.4
1800	19.9	-29.5	-5.4	-6.1	0.9	0.9	14.6	0.5	22.5
1900	19.6	-29.1	-5.6	-6.2	0.9	0.9	14.6	0.4	22.8
2000	19.3	-28.9	-5.8	-6.3	1.0	0.9	14.7	0.4	22.5
2100	19.0	-28.6	-5.9	-6.5	1.0	0.9	14.6	0.5	22.6
2200	18.7	-28.3	-6.1	-6.6	1.0	0.9	14.3	0.5	23.0
2300	18.4	-28.1	-6.2	-6.7	1.0	0.9	14.4	0.6	22.8
2400	18.2	-27.9	-6.4	-6.9	1.0	0.9	14.7	0.6	22.4
2500	17.9	-27.7	-6.5	-7.1	1.1	0.9	14.8	0.6	22.7
2600	17.7	-27.4	-6.6	-7.3	1.1	0.9	14.8	0.6	23.0
2700	17.4	-27.2	-6.7	-7.5	1.1	0.9	14.7	0.6	22.3
2800	17.2	-27.0	-6.7	-7.8	1.1	0.9	14.7	0.6	23.1
2900	17.0	-26.8	-6.7	-8.1	1.1	1.0	14.8	0.6	23.0
3000	16.8	-26.6	-6.8	-8.5	1.2	1.0	14.6	0.7	23.3
3100	16.5	-26.4	-6.8	-8.9	1.2	1.0	14.8	0.6	23.5
3200	16.4	-26.1	-6.8	-9.3	1.2	1.0	14.7	0.6	23.6
3300	16.1	-25.9	-6.7	-9.7	1.2	1.0	14.8	0.7	23.3
3400	15.9	-25.8	-6.6	-10.2	1.2	1.0	14.8	0.7	23.3
3500	15.7	-25.5	-6.5	-10.7	1.2	1.1	14.5	0.7	23.5
3600	15.6	-25.3	-6.4	-11.1	1.2	1.1	14.6	0.8	24.0
3700	15.4	-25.1	-6.3	-11.7	1.2	1.1	14.2	0.7	23.7
3800	15.2	-24.9	-6.2	-12.4	1.2	1.1	14.3	0.7	23.4
3900	15.1	-24.8	-6.1	-13.1	1.2	1.1	14.5	0.8	23.5
4000	14.9	-24.6	-6.0	-13.9	1.2	1.1	14.4	0.8	24.0
4250	14.4	-24.3	-5.6	-16.5	1.2	1.2	14.4	0.8	23.5
4500	13.9	-24.1	-5.3	-20.1	1.2	1.2	14.4	1.0	23.7
4750	13.3	-23.8	-5.0	-24.3	1.2	1.3	14.5	1.0	23.2
5000	12.8	-23.7	-4.8	-24.6	1.3	1.3	14.5	1.1	24.1
5250	12.3	-23.6	-4.7	-20.9	1.3	1.3	14.3	1.1	23.4
5500	11.9	-23.4	-4.7	-17.8	1.3	1.3	14.2	1.3	23.4
5750	11.5	-23.3	-4.7	-15.4	1.3	1.3	14.1	1.5	23.4
6000	11.1	-23.1	-4.8	-13.6	1.3	1.3	14.5	1.7	23.4
7000	9.6	-22.3	-5.1	-9.8	1.3	1.2	14.4	2.0	21.8
7500	9.1	-21.8	-5.4	-9.4	1.4	1.2	13.8	2.1	21.7
8000	9.3	-20.8	-5.8	-9.9	1.4	1.1	13.4	2.3	21.2

*Note: Tested with $I_{DD} = \text{OPEN}$.

Typical Performance Data

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

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{DD} = +3\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 26\text{ mA}$, $I_{SHUTDOWN} = 0.0124\text{ }\mu\text{A}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output $P_{OUT} = +4$ dBm/Tone
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	24.5	-34.1	-2.9	-4.2	0.6	0.8	15.4	0.5	23.9
900	24.0	-33.5	-3.3	-4.4	0.7	0.8	16.0	0.4	24.0
1000	23.5	-33.0	-3.6	-4.6	0.7	0.8	15.8	0.4	23.7
1100	23.2	-32.6	-3.9	-4.8	0.7	0.8	16.0	0.3	23.1
1200	22.7	-32.1	-4.2	-5.0	0.8	0.8	16.0	0.3	24.1
1300	22.3	-31.7	-4.5	-5.2	0.8	0.8	16.0	0.3	24.0
1400	21.9	-31.3	-4.8	-5.3	0.8	0.8	15.9	0.4	24.4
1500	21.5	-31.0	-5.0	-5.5	0.9	0.8	16.2	0.4	23.6
1600	21.1	-30.6	-5.3	-5.6	0.9	0.8	16.1	0.4	24.3
1700	20.8	-30.3	-5.5	-5.8	0.9	0.8	16.1	0.4	23.6
1800	20.4	-30.1	-5.7	-5.9	0.9	0.9	16.2	0.4	24.6
1900	20.1	-29.8	-5.9	-6.0	1.0	0.9	16.1	0.4	24.9
2000	19.8	-29.6	-6.2	-6.1	1.0	0.9	16.2	0.4	24.7
2100	19.5	-29.2	-6.3	-6.2	1.0	0.9	16.1	0.4	24.7
2200	19.2	-29.0	-6.5	-6.4	1.0	0.9	15.8	0.6	25.2
2300	18.9	-28.8	-6.6	-6.5	1.1	0.9	15.9	0.5	25.1
2400	18.6	-28.5	-6.8	-6.6	1.1	0.9	16.2	0.5	24.7
2500	18.4	-28.2	-6.9	-6.8	1.1	0.9	16.3	0.5	24.9
2600	18.1	-28.0	-7.0	-7.0	1.1	0.9	16.4	0.5	25.2
2700	17.9	-27.7	-7.1	-7.2	1.1	0.9	16.3	0.6	24.8
2800	17.6	-27.5	-7.1	-7.4	1.1	0.9	16.2	0.5	25.4
2900	17.4	-27.4	-7.2	-7.7	1.2	0.9	16.3	0.6	25.2
3000	17.2	-27.1	-7.2	-8.1	1.2	0.9	16.2	0.6	25.8
3100	17.0	-26.8	-7.2	-8.5	1.2	1.0	16.3	0.5	25.9
3200	16.8	-26.6	-7.2	-8.8	1.2	1.0	16.2	0.6	25.9
3300	16.6	-26.4	-7.2	-9.1	1.2	1.0	16.3	0.7	25.8
3400	16.4	-26.2	-7.0	-9.6	1.2	1.0	16.3	0.7	25.8
3500	16.2	-26.0	-6.9	-10.1	1.2	1.0	16.0	0.7	25.9
3600	16.1	-25.7	-6.8	-10.5	1.2	1.0	16.1	0.8	26.2
3700	15.9	-25.5	-6.7	-11.0	1.2	1.0	15.5	0.6	25.9
3800	15.7	-25.3	-6.6	-11.6	1.2	1.1	15.7	0.7	25.6
3900	15.6	-25.1	-6.5	-12.2	1.2	1.1	15.8	0.7	25.6
4000	15.4	-25.0	-6.3	-13.0	1.2	1.1	15.7	0.7	26.0
4250	14.9	-24.7	-5.9	-15.3	1.2	1.2	15.7	0.8	25.6
4500	14.4	-24.3	-5.6	-18.3	1.2	1.2	15.7	0.8	25.8
4750	13.9	-24.1	-5.2	-21.9	1.2	1.2	15.7	0.8	24.8
5000	13.4	-23.9	-5.0	-23.4	1.2	1.3	15.7	1.0	26.0
5250	12.9	-23.8	-4.9	-21.0	1.3	1.3	15.5	1.1	25.2
5500	12.5	-23.6	-4.9	-17.9	1.3	1.3	15.4	1.3	25.2
5750	12.1	-23.5	-4.9	-15.5	1.3	1.3	15.1	1.3	25.2
6000	11.6	-23.3	-5.0	-13.6	1.3	1.3	15.6	1.6	25.2
7000	10.1	-22.5	-5.3	-9.6	1.3	1.2	15.3	1.8	24.2
7500	9.7	-22.0	-5.6	-9.1	1.4	1.1	14.8	2.1	24.0
8000	9.8	-21.0	-5.9	-9.5	1.3	1.1	14.4	2.1	23.5

*Note: Tested with $I_{DDJ} = \text{OPEN}$.

Typical Performance Data

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

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{DD} = +3.3\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 30\text{ mA}$, $I_{SHUTDOWN} = 0.0125\text{ }\mu\text{A}$ @ Temperature = $+25^{\circ}\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output $P_{OUT} = +4\text{ dBm/Tone}$
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	24.9	-34.8	-3.1	-4.2	0.7	0.8	16.6	0.4	25.8
900	24.5	-34.2	-3.4	-4.4	0.7	0.8	17.2	0.5	25.8
1000	24.0	-33.8	-3.8	-4.6	0.7	0.8	17.1	0.3	25.7
1100	23.6	-33.2	-4.1	-4.7	0.8	0.8	17.2	0.3	25.1
1200	23.2	-32.8	-4.4	-4.9	0.8	0.8	17.2	0.4	26.0
1300	22.8	-32.4	-4.7	-5.1	0.8	0.8	17.3	0.3	26.0
1400	22.4	-32.0	-5.0	-5.2	0.9	0.8	17.2	0.4	26.4
1500	21.9	-31.7	-5.3	-5.3	0.9	0.8	17.5	0.4	25.7
1600	21.5	-31.2	-5.6	-5.5	0.9	0.8	17.4	0.3	26.5
1700	21.2	-31.0	-5.8	-5.6	0.9	0.8	17.4	0.4	25.7
1800	20.8	-30.7	-6.0	-5.7	1.0	0.8	17.5	0.4	26.8
1900	20.5	-30.4	-6.2	-5.8	1.0	0.8	17.4	0.4	27.1
2000	20.1	-30.1	-6.5	-5.9	1.0	0.8	17.5	0.4	26.9
2100	19.8	-29.8	-6.6	-6.0	1.0	0.8	17.4	0.4	27.0
2200	19.5	-29.6	-6.8	-6.1	1.1	0.8	17.1	0.5	27.5
2300	19.3	-29.3	-7.0	-6.2	1.1	0.8	17.2	0.5	27.5
2400	19.0	-29.1	-7.1	-6.3	1.1	0.8	17.6	0.4	27.0
2500	18.7	-28.8	-7.2	-6.5	1.1	0.9	17.6	0.4	27.3
2600	18.5	-28.5	-7.4	-6.7	1.1	0.9	17.7	0.4	27.5
2700	18.3	-28.2	-7.5	-6.8	1.1	0.9	17.6	0.5	27.2
2800	18.0	-28.0	-7.5	-7.0	1.2	0.9	17.4	0.5	27.8
2900	17.8	-27.8	-7.6	-7.3	1.2	0.9	17.5	0.5	27.7
3000	17.6	-27.6	-7.6	-7.7	1.2	0.9	17.4	0.6	28.5
3100	17.3	-27.4	-7.6	-8.0	1.2	0.9	17.7	0.6	28.6
3200	17.2	-27.1	-7.6	-8.3	1.2	0.9	17.4	0.6	28.5
3300	17.0	-26.9	-7.5	-8.6	1.2	0.9	17.6	0.6	28.3
3400	16.7	-26.7	-7.4	-9.1	1.2	1.0	17.5	0.6	28.3
3500	16.6	-26.3	-7.2	-9.5	1.2	1.0	17.2	0.7	28.4
3600	16.4	-26.1	-7.2	-9.8	1.2	1.0	17.2	0.8	28.6
3700	16.3	-25.9	-7.1	-10.3	1.2	1.0	16.6	0.6	28.3
3800	16.1	-25.7	-6.9	-10.8	1.2	1.0	16.8	0.7	27.9
3900	15.9	-25.5	-6.8	-11.4	1.2	1.1	16.9	0.6	27.9
4000	15.8	-25.4	-6.6	-12.1	1.2	1.1	16.8	0.6	28.2
4250	15.3	-25.0	-6.2	-14.2	1.2	1.1	16.8	0.7	27.8
4500	14.8	-24.7	-5.8	-16.8	1.2	1.2	16.8	0.8	27.9
4750	14.3	-24.4	-5.5	-19.7	1.2	1.2	16.8	1.0	26.7
5000	13.8	-24.2	-5.2	-21.5	1.2	1.2	16.8	1.0	28.2
5250	13.4	-24.0	-5.1	-20.2	1.2	1.3	16.6	1.1	27.2
5500	12.9	-23.8	-5.0	-17.6	1.3	1.3	16.4	1.2	27.3
5750	12.5	-23.7	-5.0	-15.3	1.3	1.3	16.0	1.4	27.3
6000	12.1	-23.5	-5.1	-13.4	1.3	1.3	16.5	1.5	27.4
7000	10.6	-22.7	-5.4	-9.3	1.3	1.2	16.2	1.8	26.3
7500	10.1	-22.2	-5.7	-8.7	1.3	1.1	15.6	1.9	26.2
8000	10.2	-21.2	-6.0	-9.1	1.3	1.1	15.2	1.9	25.5

*Note: Tested with $I_{DD} = \text{OPEN}$.

Typical Performance Data

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

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{DD} = +4.75\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 50\text{ mA}$, $I_{SHUTDOWN} = 0.0127\text{ }\mu\text{A}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output $P_{OUT} = +4\text{ dBm/Tone}$
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	26.2	-36.9	-3.6	-3.9	0.8	0.7	20.4	0.6	31.9
900	25.7	-36.4	-4.0	-4.1	0.8	0.7	20.9	0.3	32.3
1000	25.1	-35.8	-4.4	-4.2	0.8	0.7	20.8	0.3	32.3
1100	24.7	-35.3	-4.8	-4.3	0.9	0.7	21.0	0.3	31.7
1200	24.2	-34.9	-5.2	-4.4	0.9	0.7	21.2	0.4	32.6
1300	23.8	-34.5	-5.5	-4.5	0.9	0.7	21.2	0.3	32.3
1400	23.3	-34.0	-5.9	-4.6	1.0	0.7	21.1	0.4	32.9
1500	22.9	-33.7	-6.1	-4.7	1.0	0.7	21.6	0.3	32.8
1600	22.5	-33.3	-6.5	-4.8	1.0	0.7	21.4	0.3	33.6
1700	22.1	-32.9	-6.7	-4.9	1.0	0.7	21.5	0.3	32.9
1800	21.7	-32.6	-7.0	-4.9	1.1	0.7	21.5	0.5	34.0
1900	21.4	-32.2	-7.2	-5.0	1.1	0.7	21.4	0.4	34.0
2000	21.0	-32.0	-7.5	-5.1	1.1	0.8	21.6	0.4	34.7
2100	20.7	-31.7	-7.7	-5.1	1.1	0.8	21.4	0.3	34.9
2200	20.4	-31.4	-7.9	-5.2	1.1	0.8	20.9	0.4	35.0
2300	20.1	-31.1	-8.1	-5.3	1.2	0.8	21.0	0.5	35.1
2400	19.8	-30.8	-8.2	-5.4	1.2	0.8	21.6	0.5	34.6
2500	19.5	-30.5	-8.4	-5.5	1.2	0.8	21.6	0.5	34.4
2600	19.3	-30.2	-8.5	-5.6	1.2	0.8	21.7	0.4	35.1
2700	19.1	-30.0	-8.6	-5.7	1.2	0.8	21.4	0.5	34.9
2800	18.8	-29.8	-8.7	-5.9	1.2	0.8	21.3	0.5	35.0
2900	18.6	-29.6	-8.8	-6.1	1.3	0.8	21.4	0.5	34.9
3000	18.4	-29.3	-8.8	-6.4	1.3	0.8	21.4	0.4	33.9
3100	18.2	-28.9	-8.8	-6.7	1.3	0.8	21.7	0.4	34.3
3200	18.0	-28.7	-8.8	-6.8	1.3	0.9	21.3	0.5	34.6
3300	17.8	-28.4	-8.7	-7.1	1.3	0.9	21.5	0.6	35.1
3400	17.6	-28.1	-8.6	-7.4	1.3	0.9	21.3	0.6	36.0
3500	17.4	-27.8	-8.4	-7.7	1.3	0.9	21.1	0.6	35.8
3600	17.3	-27.5	-8.3	-7.9	1.2	0.9	21.0	0.7	36.4
3700	17.2	-27.3	-8.2	-8.3	1.2	0.9	20.3	0.6	36.8
3800	17.0	-27.0	-8.0	-8.7	1.2	1.0	20.4	0.6	36.8
3900	16.9	-26.8	-7.8	-9.1	1.2	1.0	20.5	0.6	36.2
4000	16.7	-26.6	-7.6	-9.6	1.2	1.0	20.4	0.6	36.7
4250	16.3	-26.2	-7.1	-11.0	1.2	1.1	20.2	0.6	37.0
4500	15.9	-25.8	-6.6	-12.7	1.2	1.1	20.5	0.8	37.5
4750	15.4	-25.5	-6.1	-14.5	1.2	1.2	20.4	0.8	37.2
5000	15.0	-25.2	-5.8	-15.7	1.2	1.2	20.4	1.0	38.4
5250	14.5	-25.0	-5.6	-15.8	1.2	1.2	20.2	1.0	37.7
5500	14.1	-24.8	-5.5	-14.7	1.2	1.2	19.9	1.1	37.9
5750	13.7	-24.6	-5.4	-13.2	1.2	1.2	19.5	1.3	38.7
6000	13.3	-24.4	-5.5	-11.7	1.2	1.2	20.2	1.4	39.6
7000	11.6	-23.7	-5.8	-8.0	1.2	1.1	19.6	1.7	41.0
7500	11.1	-23.2	-6.0	-7.4	1.3	1.0	19.2	1.9	40.9
8000	11.3	-22.1	-6.3	-7.6	1.2	1.0	18.7	1.8	39.0

*Note: Tested with $I_{ADJ} = \text{OPEN}$.

Typical Performance Data

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

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 53\text{ mA}$, $I_{SHUTDOWN} = 0.0126\text{ }\mu\text{A}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output $P_{OUT} = +4\text{ dBm/Tone}$
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	26.3	-37.3	-3.7	-3.9	0.8	0.7	21.4	0.4	32.5
900	25.8	-36.7	-4.1	-4.0	0.8	0.7	21.7	0.4	32.9
1000	25.2	-36.1	-4.5	-4.2	0.9	0.7	21.6	0.3	33.1
1100	24.8	-35.6	-4.9	-4.3	0.9	0.7	21.7	0.3	32.4
1200	24.3	-35.1	-5.2	-4.4	0.9	0.7	21.8	0.3	33.0
1300	23.8	-34.7	-5.6	-4.5	1.0	0.7	21.9	0.3	32.8
1400	23.4	-34.2	-5.9	-4.6	1.0	0.7	21.8	0.4	33.5
1500	23.0	-34.0	-6.2	-4.7	1.0	0.7	22.2	0.3	33.4
1600	22.5	-33.5	-6.6	-4.7	1.0	0.7	22.1	0.3	33.8
1700	22.2	-33.1	-6.8	-4.8	1.1	0.7	22.2	0.4	33.1
1800	21.8	-32.9	-7.1	-4.9	1.1	0.7	22.1	0.4	34.0
1900	21.4	-32.5	-7.3	-4.9	1.1	0.7	22.0	0.3	34.5
2000	21.1	-32.2	-7.6	-5.0	1.1	0.7	22.1	0.3	35.0
2100	20.8	-31.9	-7.8	-5.1	1.1	0.7	21.9	0.4	35.0
2200	20.4	-31.6	-8.0	-5.1	1.2	0.7	21.5	0.4	35.1
2300	20.2	-31.3	-8.2	-5.2	1.2	0.8	21.6	0.4	35.1
2400	19.9	-30.9	-8.4	-5.3	1.2	0.8	22.1	0.5	34.4
2500	19.6	-30.7	-8.5	-5.4	1.2	0.8	22.1	0.5	34.6
2600	19.4	-30.5	-8.7	-5.5	1.2	0.8	22.2	0.5	34.8
2700	19.1	-30.2	-8.8	-5.6	1.2	0.8	22.0	0.5	34.5
2800	18.9	-29.9	-8.8	-5.8	1.2	0.8	21.8	0.5	34.4
2900	18.6	-29.7	-8.9	-6.0	1.3	0.8	21.9	0.5	35.0
3000	18.5	-29.4	-9.0	-6.3	1.3	0.8	21.9	0.5	33.7
3100	18.2	-29.1	-8.9	-6.5	1.3	0.8	22.2	0.4	34.0
3200	18.1	-28.8	-8.9	-6.7	1.3	0.8	21.8	0.5	34.8
3300	17.9	-28.6	-8.8	-6.9	1.3	0.9	22.0	0.5	34.9
3400	17.7	-28.4	-8.7	-7.2	1.3	0.9	21.9	0.6	35.1
3500	17.5	-27.9	-8.5	-7.5	1.3	0.9	21.6	0.6	35.1
3600	17.4	-27.6	-8.4	-7.8	1.2	0.9	21.6	0.7	35.6
3700	17.3	-27.4	-8.3	-8.1	1.2	0.9	20.8	0.6	35.8
3800	17.1	-27.2	-8.1	-8.5	1.2	0.9	20.9	0.7	35.8
3900	17.0	-27.0	-7.9	-8.9	1.2	1.0	21.0	0.6	35.9
4000	16.8	-26.8	-7.7	-9.4	1.2	1.0	20.9	0.6	36.2
4250	16.4	-26.3	-7.1	-10.7	1.2	1.1	20.8	0.7	36.6
4500	16.0	-25.9	-6.6	-12.4	1.3	1.1	21.0	0.8	36.6
4750	15.5	-25.6	-6.2	-14.0	1.2	1.2	21.0	0.9	36.2
5000	15.1	-25.3	-5.8	-15.3	1.2	1.2	21.0	0.9	37.7
5250	14.6	-25.1	-5.6	-15.4	1.2	1.2	20.7	0.9	36.7
5500	14.2	-24.9	-5.5	-14.4	1.2	1.2	20.5	1.1	36.8
5750	13.8	-24.7	-5.5	-12.9	1.2	1.2	20.1	1.2	37.3
6000	13.4	-24.5	-5.5	-11.5	1.2	1.2	20.7	1.4	37.8
7000	11.7	-23.8	-5.8	-7.8	1.2	1.1	20.2	1.7	40.0
7500	11.2	-23.2	-6.0	-7.3	1.3	1.0	19.8	1.8	39.0
8000	11.3	-22.2	-6.3	-7.4	1.2	1.0	19.3	1.8	38.0

*Note: Tested with $I_{DD} = \text{OPEN}$.

Typical Performance Data

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

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{DD} = +5.25\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 55\text{ mA}$, $I_{SHUTDOWN} = 0.0129\text{ }\mu\text{A}$ @ Temperature = +25°C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		1dB Comp. Output (dBm)	Noise Figure (dB)	IP-3 Output $P_{OUT} = +4$ dBm/Tone (dBm)
					K	Measure			
800	26.4	-37.4	-3.7	-3.8	0.8	0.7	21.9	0.4	33.2
900	25.8	-36.8	-4.2	-4.0	0.8	0.7	22.1	0.3	33.4
1000	25.3	-36.3	-4.6	-4.1	0.9	0.7	22.0	0.3	33.4
1100	24.9	-35.9	-4.9	-4.2	0.9	0.7	22.2	0.3	33.0
1200	24.4	-35.2	-5.3	-4.3	0.9	0.7	22.3	0.3	33.9
1300	23.9	-34.8	-5.7	-4.4	1.0	0.7	22.4	0.3	33.2
1400	23.5	-34.5	-6.0	-4.5	1.0	0.7	22.2	0.4	34.1
1500	23.0	-34.0	-6.3	-4.6	1.0	0.7	22.7	0.3	33.7
1600	22.6	-33.7	-6.7	-4.7	1.1	0.7	22.5	0.4	34.4
1700	22.2	-33.4	-6.9	-4.7	1.1	0.7	22.6	0.3	33.6
1800	21.8	-33.0	-7.2	-4.8	1.1	0.7	22.6	0.4	34.3
1900	21.5	-32.7	-7.4	-4.9	1.1	0.7	22.4	0.3	34.8
2000	21.1	-32.3	-7.7	-4.9	1.1	0.7	22.6	0.4	35.0
2100	20.8	-32.0	-7.9	-5.0	1.1	0.7	22.3	0.4	34.9
2200	20.5	-31.7	-8.1	-5.0	1.2	0.7	21.9	0.4	35.4
2300	20.2	-31.4	-8.3	-5.1	1.2	0.7	22.0	0.5	35.1
2400	19.9	-31.2	-8.5	-5.2	1.2	0.7	22.6	0.5	34.3
2500	19.6	-30.9	-8.6	-5.3	1.2	0.8	22.6	0.5	34.4
2600	19.4	-30.6	-8.8	-5.4	1.2	0.8	22.6	0.4	35.3
2700	19.2	-30.3	-8.9	-5.5	1.2	0.8	22.4	0.5	34.4
2800	18.9	-30.1	-9.0	-5.7	1.2	0.8	22.2	0.5	34.9
2900	18.7	-29.8	-9.0	-5.9	1.3	0.8	22.3	0.6	34.5
3000	18.5	-29.6	-9.1	-6.1	1.3	0.8	22.4	0.6	33.3
3100	18.3	-29.3	-9.0	-6.4	1.3	0.8	22.7	0.5	33.8
3200	18.1	-29.0	-9.0	-6.6	1.3	0.8	22.3	0.5	34.0
3300	17.9	-28.7	-8.9	-6.8	1.3	0.9	22.5	0.5	35.1
3400	17.7	-28.4	-8.8	-7.1	1.3	0.9	22.3	0.5	34.2
3500	17.6	-28.1	-8.6	-7.4	1.3	0.9	22.0	0.6	34.7
3600	17.4	-27.7	-8.5	-7.6	1.2	0.9	22.0	0.7	35.2
3700	17.3	-27.5	-8.3	-7.9	1.2	0.9	21.2	0.5	35.1
3800	17.1	-27.3	-8.2	-8.3	1.2	0.9	21.4	0.6	35.1
3900	17.0	-27.1	-8.0	-8.7	1.2	1.0	21.5	0.6	35.3
4000	16.9	-26.9	-7.8	-9.2	1.2	1.0	21.4	0.6	35.2
4250	16.5	-26.4	-7.2	-10.5	1.3	1.0	21.2	0.6	35.9
4500	16.1	-26.0	-6.7	-12.1	1.3	1.1	21.4	0.8	36.2
4750	15.6	-25.6	-6.2	-13.7	1.2	1.2	21.4	0.8	35.5
5000	15.1	-25.4	-5.9	-14.9	1.2	1.2	21.4	0.9	36.7
5250	14.7	-25.2	-5.7	-15.1	1.2	1.2	21.2	1.0	36.0
5500	14.3	-24.9	-5.5	-14.2	1.2	1.2	21.0	1.1	36.2
5750	13.9	-24.8	-5.5	-12.7	1.2	1.2	20.6	1.3	36.4
6000	13.4	-24.6	-5.6	-11.3	1.2	1.2	21.2	1.5	36.5
7000	11.8	-23.8	-5.8	-7.7	1.2	1.1	20.7	1.6	38.4
7500	11.3	-23.3	-6.0	-7.2	1.3	1.0	20.3	1.9	37.5
8000	11.4	-22.3	-6.3	-7.3	1.2	1.0	19.8	2.0	37.2

*Note: Tested with $I_{DDJ} = \text{OPEN}$.

Typical Performance Data

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

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 53\text{ mA}$, $I_{SHUTDOWN} = 0.0164\text{ }\mu\text{A}$ @ Temperature = -45°C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		1dB Comp. Output (dBm)	Noise Figure (dB)	IP-3 Output $P_{OUT} = +4$ dBm/Tone (dBm)
					K	Measure			
800	27.1	-39.0	-3.9	-4.0	1.0	0.7	20.5	0.2	34.2
900	26.6	-38.4	-4.3	-4.1	1.0	0.7	21.2	0.2	33.9
1000	26.1	-37.6	-4.7	-4.2	1.0	0.7	20.7	0.1	34.2
1100	25.6	-37.2	-5.1	-4.3	1.1	0.7	20.9	0.1	34.6
1200	25.1	-36.6	-5.5	-4.3	1.1	0.7	21.3	0.2	35.2
1300	24.6	-36.2	-5.9	-4.4	1.1	0.7	21.5	0.1	34.1
1400	24.2	-35.8	-6.3	-4.5	1.2	0.7	21.5	0.2	34.5
1500	23.8	-35.1	-6.7	-4.5	1.2	0.7	21.7	0.2	34.2
1600	23.3	-34.9	-7.1	-4.6	1.2	0.7	21.8	0.1	33.3
1700	23.0	-34.6	-7.4	-4.7	1.2	0.7	22.2	0.1	33.3
1800	22.6	-34.0	-7.8	-4.7	1.2	0.7	22.0	0.3	33.1
1900	22.2	-33.8	-8.1	-4.8	1.3	0.7	22.0	0.2	33.2
2000	21.9	-33.3	-8.4	-4.9	1.3	0.7	21.4	0.2	34.2
2100	21.5	-33.2	-8.6	-5.0	1.3	0.7	21.6	0.1	34.1
2200	21.2	-32.7	-8.8	-5.0	1.3	0.7	21.9	0.3	34.1
2300	20.9	-32.4	-9.0	-5.1	1.3	0.7	21.8	0.2	34.6
2400	20.6	-32.1	-9.1	-5.2	1.3	0.7	21.9	0.3	33.8
2500	20.4	-31.8	-9.3	-5.3	1.3	0.7	21.8	0.2	34.4
2600	20.1	-31.4	-9.4	-5.4	1.3	0.7	21.8	0.3	34.9
2700	19.9	-31.1	-9.5	-5.5	1.3	0.7	21.4	0.3	34.9
2800	19.6	-31.0	-9.6	-5.7	1.4	0.8	21.9	0.2	34.5
2900	19.3	-30.6	-9.6	-6.0	1.4	0.8	21.6	0.2	35.6
3000	19.2	-30.4	-9.6	-6.3	1.4	0.8	21.6	0.2	35.1
3100	19.1	-29.9	-9.8	-6.4	1.4	0.8	21.9	0.3	36.4
3200	18.9	-29.6	-9.9	-6.5	1.3	0.8	21.9	0.3	35.2
3300	18.7	-29.4	-9.9	-6.7	1.4	0.8	21.7	0.2	35.5
3400	18.5	-29.1	-9.8	-7.0	1.4	0.8	21.6	0.3	35.1
3500	18.3	-28.7	-9.6	-7.3	1.3	0.9	21.6	0.3	35.5
3600	18.2	-28.3	-9.5	-7.6	1.3	0.9	21.8	0.3	35.0
3700	18.1	-28.1	-9.4	-7.8	1.3	0.9	20.8	0.3	34.7
3800	18.0	-27.9	-9.2	-8.2	1.3	0.9	21.7	0.4	34.5
3900	17.8	-27.6	-8.9	-8.6	1.3	0.9	21.0	0.3	34.7
4000	17.6	-27.4	-8.6	-9.0	1.3	0.9	21.1	0.4	34.3
4250	17.3	-27.0	-7.8	-10.3	1.3	1.0	20.6	0.4	35.2
4500	16.9	-26.4	-7.2	-11.6	1.3	1.1	21.2	0.5	34.3
4750	16.5	-26.1	-6.7	-13.0	1.3	1.1	20.9	0.5	35.2
5000	16.1	-25.7	-6.5	-14.2	1.3	1.1	20.5	0.6	34.5
5250	15.7	-25.5	-6.3	-14.5	1.3	1.2	21.3	0.6	34.7
5500	15.3	-25.2	-6.2	-13.8	1.3	1.2	20.5	0.7	34.6
5750	14.8	-25.1	-6.0	-12.8	1.3	1.2	20.1	0.8	34.1
6000	14.4	-24.9	-5.9	-11.5	1.3	1.2	21.2	0.9	33.7
7000	12.8	-23.9	-6.4	-7.7	1.2	1.0	19.9	1.2	34.3
7500	12.3	-23.5	-6.5	-7.1	1.2	1.0	20.2	1.3	33.5
8000	12.2	-22.5	-6.3	-7.0	1.1	0.9	20.2	1.4	33.5

*Note: Tested with $I_{DD} = \text{OPEN}$.

Typical Performance Data

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

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 54\text{ mA}$, $I_{SHUTDOWN} = 0.0091\text{ }\mu\text{A}$ @ Temperature = +105°C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability		1dB Comp. Output (dBm)	Noise Figure (dB)	IP-3 Output $P_{OUT} = +4$ dBm/Tone (dBm)
					K	Measure			
800	25.6	-37.7	-3.5	-4.0	0.9	0.8	19.9	0.5	32.8
900	25.1	-36.8	-3.9	-4.1	0.9	0.8	20.1	0.5	33.0
1000	24.6	-36.2	-4.2	-4.3	1.0	0.8	20.1	0.4	33.0
1100	24.2	-36.0	-4.6	-4.4	1.0	0.8	20.3	0.5	33.4
1200	23.7	-35.2	-5.0	-4.5	1.0	0.8	20.4	0.5	33.7
1300	23.3	-34.9	-5.3	-4.6	1.1	0.8	20.5	0.5	32.7
1400	22.9	-34.6	-5.7	-4.7	1.1	0.8	20.6	0.5	33.8
1500	22.5	-34.1	-6.0	-4.8	1.1	0.8	20.7	0.6	32.9
1600	22.0	-33.7	-6.3	-4.9	1.2	0.8	20.8	0.5	32.6
1700	21.7	-33.4	-6.6	-5.0	1.2	0.8	20.9	0.5	32.6
1800	21.3	-33.0	-6.8	-5.1	1.2	0.8	20.9	0.6	32.9
1900	20.9	-32.8	-7.1	-5.2	1.3	0.8	20.8	0.6	32.7
2000	20.6	-32.5	-7.3	-5.3	1.3	0.8	20.6	0.6	33.8
2100	20.2	-32.2	-7.4	-5.4	1.3	0.8	20.7	0.6	34.6
2200	20.0	-31.8	-7.6	-5.4	1.3	0.8	20.9	0.7	34.3
2300	19.7	-31.5	-7.7	-5.5	1.3	0.8	20.9	0.7	35.2
2400	19.4	-31.4	-7.8	-5.6	1.4	0.8	21.0	0.8	34.7
2500	19.1	-31.0	-8.0	-5.7	1.4	0.8	20.9	0.8	34.3
2600	18.9	-30.7	-8.1	-5.8	1.4	0.8	20.9	0.7	35.2
2700	18.6	-30.5	-8.2	-5.9	1.4	0.8	20.7	0.8	34.8
2800	18.3	-30.2	-8.3	-6.1	1.4	0.8	20.9	0.7	36.4
2900	18.1	-30.1	-8.3	-6.5	1.5	0.9	21.0	0.9	37.6
3000	18.0	-29.7	-8.4	-6.7	1.4	0.9	21.1	0.7	35.2
3100	17.8	-29.3	-8.5	-6.8	1.4	0.9	21.1	0.8	36.2
3200	17.7	-29.0	-8.6	-7.0	1.4	0.9	21.2	0.8	35.9
3300	17.5	-28.8	-8.6	-7.2	1.4	0.9	21.0	0.8	37.2
3400	17.2	-28.5	-8.4	-7.5	1.4	0.9	21.0	1.0	36.0
3500	17.1	-28.2	-8.3	-7.8	1.4	0.9	20.9	0.9	36.0
3600	17.0	-27.9	-8.2	-8.1	1.4	0.9	21.1	1.0	35.5
3700	16.8	-27.7	-8.1	-8.5	1.4	1.0	20.3	1.0	37.0
3800	16.7	-27.5	-7.8	-8.9	1.4	1.0	21.0	0.9	36.3
3900	16.5	-27.2	-7.6	-9.4	1.4	1.0	20.6	0.9	36.6
4000	16.3	-27.1	-7.3	-9.9	1.4	1.0	20.5	1.0	35.3
4250	15.9	-26.6	-6.7	-11.4	1.4	1.1	20.1	1.0	37.5
4500	15.5	-26.2	-6.3	-13.0	1.4	1.1	20.6	1.1	36.5
4750	15.1	-25.9	-6.0	-14.7	1.4	1.2	20.3	1.2	37.5
5000	14.7	-25.6	-5.8	-15.8	1.4	1.2	20.0	1.3	38.2
5250	14.3	-25.3	-5.6	-16.6	1.4	1.2	20.6	1.5	37.2
5500	13.8	-25.2	-5.4	-14.4	1.4	1.2	20.0	1.6	37.6
5750	13.3	-25.1	-5.3	-13.0	1.4	1.2	19.7	1.8	37.5
6000	12.8	-25.0	-5.2	-11.6	1.5	1.2	20.6	2.0	37.4
7000	11.2	-24.1	-5.8	-7.8	1.4	1.1	19.7	2.3	39.8
7500	10.8	-23.5	-6.0	-7.4	1.4	1.0	19.9	2.5	37.1
8000	10.8	-22.5	-5.9	-7.8	1.3	1.0	19.8	2.6	39.4

*Note: Tested with $I_{DDJ} = \text{OPEN}$.

Typical Performance Data

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

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 35\text{ mA}$, $I_{SHUTDOWN} = 0.0126\text{ }\mu\text{A}$, $R_{LADJ} = 0\Omega$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output $P_{OUT} = +4\text{ dBm/Tone}$
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dB)	(dBm)
800	26.0	-36.9	-3.0	-3.5	0.8	0.7	19.9	0.2	28.7
900	25.5	-36.3	-3.4	-3.7	0.8	0.7	20.6	0.1	28.6
1000	25.0	-35.7	-3.8	-3.8	0.8	0.7	20.3	0.2	28.3
1100	24.5	-35.3	-4.1	-4.0	0.8	0.7	20.6	0.3	28.8
1200	24.0	-34.8	-4.5	-4.1	0.9	0.7	20.6	0.3	28.9
1300	23.6	-34.4	-4.8	-4.2	0.9	0.7	20.8	0.2	29.3
1400	23.1	-34.0	-5.2	-4.3	0.9	0.7	20.9	0.3	28.8
1500	22.7	-33.6	-5.5	-4.4	1.0	0.7	21.0	0.3	29.5
1600	22.3	-33.3	-5.7	-4.5	1.0	0.7	21.0	0.2	29.8
1700	21.9	-32.9	-6.0	-4.6	1.0	0.7	20.8	0.3	31.1
1800	21.5	-32.6	-6.3	-4.7	1.0	0.7	21.4	0.3	30.1
1900	21.2	-32.4	-6.5	-4.8	1.1	0.7	21.4	0.3	30.2
2000	20.8	-32.0	-6.8	-4.9	1.1	0.7	21.5	0.2	30.7
2100	20.5	-31.7	-7.0	-4.9	1.1	0.8	21.4	0.3	30.6
2200	20.2	-31.5	-7.2	-5.0	1.1	0.8	21.8	0.3	30.7
2300	19.9	-31.3	-7.4	-5.2	1.2	0.8	21.3	0.3	31.5
2400	19.6	-31.0	-7.5	-5.2	1.2	0.8	21.3	0.2	31.4
2500	19.4	-30.6	-7.7	-5.3	1.2	0.8	21.6	0.4	32.1
2600	19.1	-30.4	-7.8	-5.4	1.2	0.8	21.6	0.4	31.6
2700	18.8	-30.2	-7.9	-5.6	1.2	0.8	21.8	0.4	32.1
2800	18.5	-30.0	-7.9	-5.8	1.2	0.8	21.8	0.5	31.9
2900	18.3	-29.8	-7.9	-6.1	1.3	0.8	21.0	0.4	33.0
3000	18.1	-29.3	-8.0	-6.4	1.2	0.9	21.1	0.5	33.7
3100	17.9	-29.0	-8.1	-6.5	1.2	0.9	21.7	0.4	32.9
3200	17.8	-28.8	-8.0	-6.6	1.2	0.9	21.3	0.4	33.9
3300	17.6	-28.6	-8.0	-6.9	1.3	0.9	21.1	0.4	34.8
3400	17.3	-28.5	-7.9	-7.2	1.3	0.9	21.5	0.5	33.9
3500	17.1	-28.2	-7.7	-7.5	1.3	0.9	21.4	0.5	34.4
3600	17.0	-27.9	-7.5	-7.9	1.3	1.0	21.1	0.5	35.4
3700	16.8	-27.7	-7.3	-8.1	1.3	1.0	21.1	0.5	34.9
3800	16.6	-27.5	-7.1	-8.5	1.3	1.0	21.2	0.5	35.3
3900	16.5	-27.2	-7.0	-8.9	1.3	1.0	21.1	0.5	35.5
4000	16.3	-27.1	-6.8	-9.3	1.3	1.0	20.7	0.5	36.2
4250	15.8	-26.6	-6.3	-10.5	1.3	1.1	20.6	0.6	35.8
4500	15.3	-26.3	-5.8	-11.8	1.3	1.2	20.6	0.7	35.5
4750	14.8	-25.9	-5.4	-12.9	1.2	1.2	21.0	0.8	35.3
5000	14.3	-25.7	-5.1	-13.4	1.3	1.2	19.9	0.9	35.5
5250	13.8	-25.5	-4.9	-13.1	1.3	1.3	19.5	1.0	35.9
5500	13.3	-25.3	-4.8	-12.2	1.3	1.3	20.2	1.2	35.4
5750	12.8	-25.2	-4.8	-11.0	1.2	1.2	19.5	1.1	34.9
6000	12.3	-25.0	-4.8	-9.8	1.2	1.2	19.5	1.3	33.4
7000	10.8	-24.4	-5.3	-7.0	1.3	1.1	19.6	1.8	32.3
7500	10.6	-23.4	-5.6	-6.5	1.2	1.0	19.1	1.7	32.4
8000	10.7	-22.4	-6.4	-6.9	1.2	0.9	18.6	1.7	32.4

Typical Performance Data

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

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 40\text{ mA}$, $I_{SHUTDOWN} = 0.0126\text{ }\mu\text{A}$, $R_{LADJ} = 220\text{ }\Omega$ @ Temperature = $+25^{\circ}\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output $P_{OUT} = +4\text{ dBm/Tone}$
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	26.4	-36.7	-3.1	-3.7	0.8	0.7	19.4	0.5	29.9
900	25.9	-36.1	-3.5	-3.8	0.8	0.7	19.8	0.4	29.5
1000	25.3	-35.5	-3.9	-4.0	0.8	0.7	20.1	0.3	30.2
1100	24.9	-35.1	-4.3	-4.1	0.8	0.7	20.2	0.3	30.9
1200	24.4	-34.7	-4.6	-4.2	0.9	0.7	20.3	0.3	31.1
1300	23.9	-34.4	-5.0	-4.3	0.9	0.7	20.5	0.3	29.7
1400	23.5	-34.0	-5.3	-4.4	1.0	0.7	20.7	0.3	31.3
1500	23.0	-33.6	-5.6	-4.5	1.0	0.7	20.9	0.3	30.4
1600	22.6	-33.3	-5.8	-4.6	1.0	0.7	21.0	0.3	30.6
1700	22.2	-32.9	-6.1	-4.7	1.0	0.7	21.2	0.3	31.1
1800	21.8	-32.6	-6.4	-4.7	1.1	0.7	21.3	0.3	31.1
1900	21.5	-32.3	-6.6	-4.8	1.1	0.8	21.4	0.4	31.1
2000	21.1	-32.0	-6.8	-4.9	1.1	0.8	21.1	0.3	32.0
2100	20.8	-31.7	-7.0	-5.0	1.1	0.8	21.2	0.4	32.6
2200	20.5	-31.4	-7.2	-5.1	1.1	0.8	21.5	0.3	32.8
2300	20.2	-31.1	-7.4	-5.1	1.2	0.8	21.3	0.3	33.5
2400	19.9	-30.9	-7.6	-5.2	1.2	0.8	21.7	0.4	32.4
2500	19.6	-30.5	-7.7	-5.3	1.2	0.8	21.6	0.3	32.7
2600	19.4	-30.4	-7.8	-5.4	1.2	0.8	21.6	0.4	33.0
2700	19.1	-30.1	-7.9	-5.6	1.2	0.8	21.4	0.4	33.6
2800	18.8	-29.9	-8.0	-5.9	1.3	0.8	21.7	0.4	33.1
2900	18.6	-29.5	-8.0	-6.1	1.3	0.8	21.4	0.4	34.1
3000	18.4	-29.3	-8.1	-6.1	1.3	0.8	21.3	0.5	34.1
3100	18.2	-29.1	-8.1	-6.5	1.3	0.9	21.5	0.5	34.4
3200	18.1	-28.7	-8.1	-6.6	1.3	0.9	21.7	0.5	34.1
3300	17.9	-28.5	-8.1	-6.8	1.3	0.9	21.6	0.5	35.0
3400	17.7	-28.2	-8.1	-7.1	1.3	0.9	21.6	0.6	35.1
3500	17.5	-28.0	-8.0	-7.4	1.3	0.9	21.3	0.6	35.6
3600	17.3	-27.7	-7.9	-7.8	1.3	0.9	21.2	0.7	36.0
3700	17.1	-27.5	-7.7	-8.1	1.3	1.0	20.5	0.6	36.4
3800	17.0	-27.2	-7.5	-8.5	1.3	1.0	21.4	0.6	36.0
3900	16.8	-27.2	-7.3	-9.0	1.3	1.0	21.0	0.6	37.2
4000	16.7	-26.8	-7.1	-9.4	1.3	1.0	20.3	0.6	36.8
4250	16.3	-26.3	-6.6	-10.7	1.3	1.1	20.4	0.6	36.8
4500	15.9	-26.0	-6.1	-12.3	1.3	1.1	20.2	0.7	36.6
4750	15.4	-25.6	-5.7	-13.9	1.3	1.2	20.3	0.7	38.4
5000	15.0	-25.5	-5.4	-15.0	1.3	1.2	20.4	0.8	37.3
5250	14.5	-25.2	-5.1	-14.9	1.3	1.2	20.2	1.0	36.4
5500	14.1	-25.0	-5.0	-13.8	1.3	1.3	19.8	1.1	37.9
5750	13.7	-24.8	-4.9	-12.4	1.3	1.3	19.5	1.1	36.9
6000	13.2	-24.7	-5.0	-11.0	1.3	1.2	20.0	1.3	35.8
7000	11.3	-24.1	-5.5	-7.6	1.3	1.1	18.9	1.9	33.7
7500	11.0	-23.4	-5.6	-7.1	1.3	1.0	18.3	1.8	33.7
8000	11.0	-22.4	-6.1	-7.4	1.3	1.0	17.6	1.7	34.1

Typical Performance Data

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

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 50\text{ mA}$, $I_{SHUTDOWN} = 0.0126\text{ }\mu\text{A}$, $R_{LADJ} = \text{OPEN}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output $P_{OUT} = +4$ dBm/Tone
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	26.9	-36.9	-3.4	-3.8	0.8	0.7	21.2	0.6	31.9
900	26.3	-36.4	-3.8	-4.0	0.8	0.7	21.4	0.3	32.3
1000	25.8	-35.9	-4.2	-4.1	0.9	0.7	21.3	0.3	32.6
1100	25.3	-35.6	-4.6	-4.3	0.9	0.7	21.5	0.3	33.0
1200	24.8	-35.0	-5.0	-4.4	0.9	0.7	21.5	0.3	34.3
1300	24.3	-34.6	-5.3	-4.5	1.0	0.7	21.8	0.3	32.9
1400	23.9	-34.1	-5.7	-4.6	1.0	0.7	21.6	0.3	34.1
1500	23.4	-33.7	-6.0	-4.6	1.0	0.7	21.9	0.3	33.3
1600	23.0	-33.4	-6.2	-4.7	1.0	0.7	21.8	0.3	33.5
1700	22.6	-33.1	-6.5	-4.8	1.1	0.7	21.9	0.3	33.1
1800	22.2	-32.8	-6.7	-4.8	1.1	0.7	21.9	0.3	33.5
1900	21.8	-32.3	-7.0	-4.9	1.1	0.7	21.9	0.3	33.4
2000	21.5	-32.2	-7.2	-5.0	1.1	0.7	21.6	0.4	35.1
2100	21.1	-31.9	-7.4	-5.1	1.2	0.8	21.6	0.3	35.8
2200	20.8	-31.6	-7.6	-5.1	1.2	0.8	21.9	0.3	35.0
2300	20.5	-31.3	-7.8	-5.2	1.2	0.8	21.7	0.3	36.0
2400	20.2	-31.0	-8.0	-5.3	1.2	0.8	22.0	0.4	33.7
2500	19.9	-30.7	-8.1	-5.4	1.2	0.8	21.9	0.4	35.0
2600	19.7	-30.4	-8.3	-5.5	1.2	0.8	21.9	0.4	36.2
2700	19.4	-30.2	-8.3	-5.6	1.2	0.8	21.7	0.4	34.7
2800	19.1	-29.9	-8.4	-5.9	1.3	0.8	21.8	0.4	34.9
2900	18.9	-29.6	-8.4	-6.1	1.3	0.8	21.6	0.4	35.0
3000	18.7	-29.3	-8.5	-6.3	1.3	0.8	21.5	0.5	35.1
3100	18.5	-29.1	-8.5	-6.5	1.3	0.8	21.7	0.5	36.6
3200	18.3	-28.8	-8.5	-6.7	1.3	0.8	21.9	0.5	35.5
3300	18.1	-28.5	-8.5	-6.8	1.3	0.9	21.8	0.5	36.0
3400	17.9	-28.3	-8.5	-7.1	1.3	0.9	21.8	0.6	36.3
3500	17.7	-28.1	-8.4	-7.4	1.3	0.9	21.4	0.6	35.7
3600	17.5	-27.8	-8.2	-7.8	1.3	0.9	21.4	0.6	35.7
3700	17.4	-27.5	-8.0	-8.2	1.3	0.9	20.7	0.7	36.1
3800	17.3	-27.3	-7.8	-8.5	1.3	1.0	21.5	0.5	37.3
3900	17.1	-27.1	-7.6	-9.1	1.3	1.0	21.3	0.5	38.5
4000	16.9	-26.8	-7.4	-9.5	1.3	1.0	20.6	0.7	35.4
4250	16.6	-26.3	-6.9	-10.8	1.3	1.1	20.7	0.5	36.3
4500	16.2	-26.0	-6.3	-12.4	1.3	1.1	20.6	0.7	37.3
4750	15.7	-25.6	-5.9	-14.1	1.3	1.2	20.7	0.8	36.9
5000	15.2	-25.4	-5.5	-15.3	1.3	1.2	20.8	0.9	38.4
5250	14.8	-25.1	-5.3	-15.3	1.3	1.2	20.6	1.0	36.4
5500	14.4	-24.9	-5.1	-14.3	1.2	1.2	20.4	1.1	38.0
5750	14.0	-24.8	-5.1	-12.8	1.3	1.2	20.3	1.2	37.6
6000	13.5	-24.6	-5.1	-11.3	1.2	1.2	20.7	1.3	37.2
7000	11.6	-23.9	-5.7	-7.8	1.3	1.1	19.8	1.8	46.2
7500	11.3	-23.3	-5.7	-7.2	1.3	1.0	19.3	1.8	39.2
8000	11.3	-22.3	-6.3	-7.4	1.3	1.0	18.7	1.7	38.4

Typical Performance Data

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

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 53\text{ mA}$, $I_{SHUTDOWN} = 0.0126\text{ }\mu\text{A}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output $P_{OUT} = +4$ dBm/Tone
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	-24.5	-65.4	-0.1	-0.6	55.5	0.3	-14.8	10.5	2.5
900	-21.4	-72.3	-0.1	-0.6	78.8	0.2	-11.3	4.7	4.5
1000	-18.4	-69.5	-0.1	-0.6	40.2	0.3	-8.9	4.4	5.9
1100	-15.7	-69.0	-0.2	-0.6	42.9	0.3	-4.4	12.6	7.5
1200	-13.1	-70.1	-0.2	-0.6	43.3	0.3	-2.0	6.3	8.5
1300	-10.7	-66.1	-0.2	-0.7	28.1	0.3	-0.5	6.6	8.9
1400	-8.5	-65.0	-0.3	-0.7	23.6	0.3	-0.2	5.7	11.5
1500	-6.4	-62.4	-0.3	-0.7	15.1	0.3	1.9	4.3	13.1
1600	-4.4	-61.2	-0.3	-0.7	12.2	0.3	3.2	4.4	12.9
1700	-2.5	-58.8	-0.4	-0.8	9.2	0.3	5.3	4.4	12.6
1800	-0.6	-54.8	-0.5	-0.8	5.9	0.3	6.5	2.8	14.7
1900	1.2	-52.7	-0.5	-0.9	4.7	0.3	7.8	3.0	17.2
2000	3.0	-50.4	-0.7	-0.9	4.0	0.4	9.0	2.3	19.6
2100	4.8	-48.5	-0.8	-1.0	3.5	0.4	10.0	2.1	23.0
2200	6.6	-45.2	-1.0	-1.1	2.7	0.4	10.7	1.9	25.3
2300	8.4	-43.5	-1.1	-1.2	2.4	0.4	11.7	1.2	28.8
2400	10.2	-40.4	-1.5	-1.4	2.0	0.4	12.5	5.3	31.6
2500	12.0	-38.4	-1.9	-1.6	1.8	0.4	13.1	1.4	37.9
2600	13.7	-36.3	-2.4	-2.0	1.7	0.5	13.7	1.0	35.9
2700	15.2	-34.3	-3.2	-2.6	1.7	0.5	14.4	1.1	36.7
2800	16.5	-32.3	-4.2	-3.3	1.6	0.6	14.7	0.9	34.6
2900	17.6	-30.8	-5.5	-4.4	1.5	0.6	15.3	0.9	36.4
3000	18.4	-29.5	-7.1	-6.0	1.5	0.7	15.5	0.8	38.0
3100	18.9	-28.5	-8.5	-7.5	1.4	0.7	16.0	0.8	42.3
3200	19.2	-27.7	-10.0	-9.8	1.4	0.8	16.3	0.7	44.1
3300	19.3	-27.2	-10.9	-12.7	1.4	0.8	16.8	0.7	41.5
3400	19.2	-26.8	-11.3	-16.3	1.4	0.9	17.2	0.6	37.5
3500	19.0	-26.5	-10.9	-20.9	1.4	0.9	17.0	0.6	37.6
3600	18.9	-26.2	-10.7	-28.9	1.3	0.9	16.9	0.6	37.8
3700	18.6	-26.1	-10.3	-36.8	1.3	0.9	18.2	0.6	37.1
3800	18.4	-26.0	-9.9	-26.6	1.3	1.0	17.3	0.6	37.5
3900	18.1	-25.9	-9.4	-22.9	1.3	1.0	17.9	0.6	35.9
4000	17.8	-25.9	-8.8	-21.5	1.3	1.0	18.3	0.6	36.1
4250	17.0	-25.8	-7.4	-21.4	1.3	1.1	18.6	0.7	34.4
4500	16.2	-25.8	-6.3	-25.1	1.3	1.1	18.6	0.9	35.3
4750	15.6	-25.5	-5.7	-32.5	1.4	1.2	18.3	0.9	36.5
5000	15.2	-25.3	-5.4	-28.7	1.4	1.2	17.9	0.9	37.4
5250	14.8	-25.0	-5.2	-21.0	1.4	1.2	18.0	0.1	37.3
5500	14.3	-24.9	-4.9	-16.1	1.4	1.2	17.3	1.0	36.5
5750	13.7	-25.0	-4.5	-13.0	1.4	1.2	17.0	1.2	37.0
6000	13.0	-25.2	-4.2	-11.2	1.4	1.2	16.5	1.5	36.6
7000	11.1	-24.5	-6.2	-6.9	1.4	1.0	16.2	1.8	37.7
7500	10.1	-24.3	-7.6	-4.9	1.4	0.8	15.9	1.7	38.3
8000	9.7	-23.8	-7.7	-4.4	1.3	0.8	16.9	1.9	37.9

*Note: Tested with $I_{DD} = \text{OPEN}$ on 3400-3800 MHz Application Circuit.