

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: $V_{DD} = +2.7\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 25\text{ mA}$, $I_{SHUTDOWN} = 0.0027\text{ }\mu\text{A}$ @ 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)
300	27.5	-36.6	-2.1	-4.4	0.6	0.8	15.9	0.4	25.2
400	26.8	-35.1	-2.7	-4.8	0.7	0.9	15.7	0.2	25.7
500	26.0	-33.7	-3.4	-5.3	0.7	0.8	15.0	0.3	25.9
550	25.7	-33.3	-3.7	-5.5	0.7	0.9	14.8	0.3	25.8
600	25.2	-32.8	-4.0	-5.7	0.7	0.9	15.0	0.3	25.8
650	24.9	-32.5	-4.3	-5.8	0.8	0.9	15.3	0.2	25.4
700	24.5	-32.1	-4.7	-6.1	0.8	0.9	15.1	0.3	25.9
750	24.1	-31.8	-4.9	-6.2	0.8	0.9	15.3	0.3	25.8
800	23.7	-31.4	-5.2	-6.3	0.8	0.9	15.7	0.3	25.5
850	23.4	-31.2	-5.5	-6.5	0.9	0.9	15.7	0.3	25.8
900	23.0	-31.0	-5.8	-6.6	0.9	0.9	15.6	0.3	26.1
950	22.7	-30.6	-6.0	-6.7	0.9	0.9	15.8	0.3	25.9
1000	22.4	-30.5	-6.3	-6.8	0.9	0.9	16.4	0.3	25.7
1100	21.7	-29.9	-6.7	-7.0	1.0	0.9	16.3	0.2	26.0
1200	21.2	-29.5	-7.1	-7.2	1.0	0.9	16.9	0.3	25.8
1300	20.6	-29.1	-7.5	-7.3	1.0	0.9	16.9	0.2	26.2
1400	20.1	-28.8	-7.8	-7.4	1.1	0.9	17.7	0.3	25.7
1500	19.6	-28.4	-8.2	-7.6	1.1	0.9	17.4	0.3	26.0
1600	19.1	-28.1	-8.5	-7.6	1.1	0.9	17.5	0.3	26.1
1700	18.6	-27.7	-8.8	-7.8	1.2	0.9	17.6	0.3	26.0
1800	18.2	-27.4	-9.0	-7.8	1.2	0.9	17.7	0.3	26.2
1900	17.8	-27.1	-9.2	-7.9	1.2	0.9	17.9	0.4	26.1
2000	17.4	-26.7	-9.5	-7.9	1.2	0.9	17.7	0.4	26.4
2100	17.0	-26.4	-9.6	-8.0	1.3	0.9	17.8	0.4	26.3
2200	16.7	-26.1	-9.8	-8.1	1.3	0.9	17.6	0.4	26.2
2300	16.3	-25.9	-10.0	-8.2	1.3	0.9	17.8	0.4	26.2
2400	16.0	-25.6	-10.1	-8.3	1.3	0.9	17.7	0.4	26.5
2500	15.7	-25.3	-10.2	-8.4	1.3	0.9	17.7	0.4	26.5
2600	15.4	-25.0	-10.2	-8.5	1.3	0.9	18.0	0.5	26.3
2700	15.1	-24.8	-10.3	-8.7	1.3	0.9	17.9	0.4	26.5
2800	14.8	-24.6	-10.3	-8.8	1.4	0.9	18.2	0.5	26.4
2900	14.5	-24.3	-10.1	-9.1	1.4	0.9	17.8	0.6	26.6
3000	14.3	-24.0	-10.1	-9.5	1.4	0.9	17.8	0.6	26.7
3100	14.0	-23.9	-10.0	-9.7	1.4	0.9	18.4	0.6	26.5
3200	13.8	-23.5	-9.7	-10.1	1.4	1.0	18.3	0.6	27.4
3300	13.5	-23.0	-9.4	-10.3	1.3	1.0	17.9	0.8	27.5
3400	13.4	-22.7	-9.3	-10.3	1.3	1.0	18.1	0.8	27.1
3500	13.2	-22.5	-9.2	-10.4	1.3	1.0	18.0	0.8	27.1
3600	12.9	-22.4	-9.1	-10.8	1.3	1.0	18.5	0.7	26.8
3700	12.7	-22.3	-9.0	-11.1	1.4	1.0	18.3	0.8	26.8
3800	12.5	-22.1	-8.7	-11.5	1.4	1.0	18.1	0.8	27.1
3900	12.3	-22.0	-8.6	-11.8	1.4	1.0	18.0	0.9	26.7
4000	11.8	-21.9	-8.3	-12.1	1.4	1.0	18.5	1.0	25.7
5000	9.5	-21.9	-6.9	-11.6	1.5	1.1	17.6	1.5	25.0

*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: $V_{DD} = +3\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 29\text{ mA}$, $I_{SHUTDOWN} = 0.0028\text{ }\mu\text{A}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output $P_{OUT} = +4\text{ dBm/Tone}$
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dB)	(dBm)
300	28.2	-37.5	-2.2	-4.5	0.7	0.8	17.2	0.3	26.6
400	27.4	-35.9	-2.9	-4.9	0.7	0.8	16.7	0.3	27.2
500	26.6	-34.7	-3.6	-5.3	0.7	0.8	16.4	0.3	27.3
550	26.3	-34.0	-4.0	-5.5	0.8	0.8	16.1	0.3	27.3
600	25.8	-33.5	-4.3	-5.7	0.8	0.8	16.2	0.2	27.3
650	25.5	-33.1	-4.6	-5.9	0.8	0.8	16.6	0.2	27.0
700	25.0	-32.8	-5.0	-6.1	0.8	0.8	16.3	0.3	27.5
750	24.7	-32.5	-5.3	-6.2	0.8	0.8	16.6	0.3	27.4
800	24.3	-32.0	-5.6	-6.3	0.9	0.8	17.0	0.2	27.1
850	23.9	-31.9	-5.9	-6.4	0.9	0.8	16.9	0.3	27.4
900	23.6	-31.6	-6.1	-6.6	0.9	0.8	16.7	0.2	27.7
950	23.2	-31.3	-6.4	-6.7	0.9	0.8	17.0	0.2	27.5
1000	22.9	-31.1	-6.6	-6.8	1.0	0.8	17.5	0.3	27.3
1100	22.3	-30.5	-7.1	-7.0	1.0	0.8	17.4	0.2	27.7
1200	21.7	-30.1	-7.5	-7.1	1.0	0.9	18.0	0.3	27.6
1300	21.1	-29.7	-8.0	-7.2	1.1	0.9	18.0	0.3	27.9
1400	20.6	-29.3	-8.3	-7.3	1.1	0.9	18.8	0.3	27.6
1500	20.0	-28.9	-8.7	-7.4	1.1	0.9	18.6	0.3	27.8
1600	19.5	-28.6	-9.0	-7.5	1.2	0.8	18.6	0.2	28.0
1700	19.1	-28.2	-9.3	-7.6	1.2	0.8	18.8	0.2	27.9
1800	18.6	-27.8	-9.6	-7.6	1.2	0.8	18.8	0.3	28.1
1900	18.2	-27.5	-9.8	-7.7	1.2	0.8	19.0	0.3	28.0
2000	17.8	-27.2	-10.0	-7.7	1.2	0.8	18.9	0.3	28.3
2100	17.5	-26.8	-10.2	-7.8	1.3	0.8	18.9	0.3	28.3
2200	17.1	-26.5	-10.4	-7.8	1.3	0.9	18.7	0.4	28.2
2300	16.8	-26.2	-10.6	-7.9	1.3	0.9	18.9	0.4	28.2
2400	16.5	-25.9	-10.7	-8.0	1.3	0.9	18.8	0.4	28.5
2500	16.1	-25.6	-10.8	-8.1	1.3	0.9	18.9	0.4	28.5
2600	15.9	-25.4	-10.8	-8.2	1.3	0.9	19.0	0.4	28.4
2700	15.6	-25.1	-10.9	-8.4	1.3	0.9	19.0	0.5	28.5
2800	15.3	-24.9	-10.9	-8.5	1.3	0.9	19.2	0.4	28.3
2900	15.0	-24.7	-10.7	-8.8	1.4	0.9	18.8	0.5	28.5
3000	14.7	-24.3	-10.7	-9.2	1.4	0.9	18.8	0.5	28.7
3100	14.4	-24.1	-10.6	-9.4	1.4	0.9	19.5	0.6	28.4
3200	14.2	-23.8	-10.3	-9.7	1.4	0.9	19.4	0.5	29.5
3300	14.0	-23.3	-10.0	-9.9	1.3	0.9	18.9	0.6	29.5
3400	13.9	-22.9	-9.8	-9.9	1.3	0.9	19.1	0.7	29.2
3500	13.7	-22.7	-9.8	-10.0	1.3	0.9	19.0	0.7	29.1
3600	13.4	-22.7	-9.7	-10.4	1.3	1.0	19.5	0.8	28.9
3700	13.2	-22.5	-9.5	-10.7	1.3	1.0	19.2	0.8	28.7
3800	13.0	-22.4	-9.2	-11.1	1.3	1.0	19.0	0.7	28.9
3900	12.8	-22.2	-9.0	-11.4	1.4	1.0	18.9	0.8	28.6
4000	12.6	-22.1	-8.8	-11.7	1.4	1.0	19.5	0.8	28.6
5000	10.0	-21.0	-7.2	-11.6	1.4	1.1	18.3	1.3	27.5

*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: $V_{DD} = +3.3\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 34\text{ mA}$, $I_{SHUTDOWN} = 0.0026\text{ }\mu\text{A}$ @ 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)
300	28.8	-38.2	-2.4	-4.5	0.7	0.8	17.8	0.3	27.9
400	28.0	-36.2	-3.1	-4.9	0.7	0.8	17.6	0.2	28.6
500	27.1	-35.1	-3.9	-5.3	0.8	0.8	17.4	0.2	28.7
550	26.8	-34.7	-4.2	-5.5	0.8	0.8	17.3	0.3	28.7
600	26.3	-34.2	-4.5	-5.7	0.8	0.8	17.5	0.2	28.8
650	25.9	-33.8	-4.9	-5.9	0.8	0.8	17.8	0.3	28.4
700	25.5	-33.4	-5.3	-6.0	0.9	0.8	17.5	0.2	29.0
750	25.1	-33.1	-5.5	-6.1	0.9	0.8	17.7	0.2	29.0
800	24.7	-32.8	-5.9	-6.3	0.9	0.8	18.1	0.2	28.6
850	24.4	-32.4	-6.2	-6.4	0.9	0.8	18.1	0.3	29.0
900	24.0	-32.2	-6.5	-6.5	0.9	0.8	17.9	0.2	29.3
950	23.6	-31.9	-6.7	-6.6	1.0	0.8	18.1	0.2	29.2
1000	23.3	-31.7	-7.0	-6.7	1.0	0.8	18.6	0.2	28.9
1100	22.6	-31.1	-7.5	-6.8	1.0	0.8	18.5	0.3	29.3
1200	22.1	-30.7	-7.9	-6.9	1.1	0.8	18.9	0.3	29.2
1300	21.5	-30.2	-8.3	-7.0	1.1	0.8	18.9	0.2	29.7
1400	20.9	-29.8	-8.7	-7.1	1.1	0.8	19.8	0.2	29.2
1500	20.4	-29.4	-9.1	-7.2	1.2	0.8	19.6	0.2	29.6
1600	19.9	-29.0	-9.4	-7.2	1.2	0.8	19.6	0.3	29.7
1700	19.4	-28.6	-9.8	-7.3	1.2	0.8	19.7	0.3	29.7
1800	19.0	-28.2	-10.0	-7.4	1.2	0.8	19.7	0.3	29.8
1900	18.6	-27.9	-10.3	-7.4	1.2	0.8	20.0	0.3	29.8
2000	18.2	-27.6	-10.5	-7.4	1.3	0.8	19.8	0.3	30.2
2100	17.8	-27.2	-10.7	-7.5	1.3	0.8	19.9	0.3	30.2
2200	17.5	-26.9	-10.9	-7.6	1.3	0.8	19.7	0.3	30.2
2300	17.1	-26.6	-11.1	-7.7	1.3	0.8	20.0	0.3	30.1
2400	16.8	-26.3	-11.2	-7.8	1.3	0.8	19.8	0.3	30.3
2500	16.5	-26.0	-11.3	-7.8	1.3	0.8	19.8	0.3	30.4
2600	16.2	-25.8	-11.4	-7.9	1.3	0.8	19.9	0.4	30.2
2700	15.9	-25.4	-11.5	-8.1	1.3	0.8	19.9	0.4	30.4
2800	15.6	-25.3	-11.4	-8.2	1.4	0.9	20.1	0.4	30.4
2900	15.3	-25.0	-11.3	-8.5	1.4	0.9	19.9	0.5	30.3
3000	15.1	-24.7	-11.2	-8.8	1.4	0.9	19.7	0.4	30.6
3100	14.8	-24.4	-11.1	-9.0	1.4	0.9	20.4	0.6	30.5
3200	14.6	-24.0	-10.8	-9.3	1.4	0.9	20.3	0.5	31.8
3300	14.4	-23.6	-10.5	-9.5	1.3	0.9	19.9	0.6	31.6
3400	14.2	-23.2	-10.3	-9.5	1.3	0.9	20.0	0.7	31.1
3500	14.0	-23.0	-10.2	-9.6	1.3	0.9	19.9	0.7	30.9
3600	13.8	-22.9	-10.1	-9.9	1.3	0.9	20.4	0.7	30.7
3700	13.6	-22.8	-9.9	-10.3	1.3	0.9	20.1	0.7	30.6
3800	13.3	-22.6	-9.7	-10.6	1.3	1.0	19.9	0.7	30.8
3900	13.1	-22.4	-9.4	-11.0	1.3	1.0	19.7	0.8	30.5
4000	12.9	-22.3	-9.2	-11.3	1.3	1.0	20.3	0.7	30.4
5000	10.4	21.2	-7.4	-11.4	1.4	1.1	19.1	1.2	29.0

*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: $V_{DD} = +4.75$ V, $V_{SHUTDOWN} = 0$ V, $I_{DD} = 56$ mA, $I_{SHUTDOWN} = 0.0025$ μ 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)
300	30.3	-39.9	-2.8	-4.6	0.8	0.8	21.7	0.2	32.1
400	29.4	-38.3	-3.7	-4.9	0.8	0.8	21.6	0.2	33.2
500	28.4	-37.1	-4.6	-5.2	0.9	0.8	21.4	0.2	33.5
550	28.0	-36.6	-5.0	-5.4	0.9	0.8	21.4	0.2	33.6
600	27.5	-36.1	-5.3	-5.5	0.9	0.8	21.5	0.2	33.6
650	27.1	-35.7	-5.8	-5.6	0.9	0.8	21.8	0.1	33.1
700	26.6	-35.3	-6.2	-5.7	1.0	0.8	21.3	0.2	34.3
750	26.2	-34.9	-6.5	-5.8	1.0	0.8	21.8	0.2	33.9
800	25.8	-34.7	-6.8	-5.9	1.0	0.8	22.2	0.2	33.5
850	25.4	-34.2	-7.1	-5.9	1.0	0.8	22.0	0.2	34.3
900	25.0	-33.9	-7.5	-6.0	1.0	0.8	21.8	0.2	34.6
950	24.6	-33.6	-7.8	-6.1	1.1	0.8	22.1	0.2	34.1
1000	24.3	-33.3	-8.1	-6.1	1.1	0.8	22.4	0.2	34.3
1100	23.6	-32.9	-8.6	-6.2	1.1	0.8	22.1	0.2	34.9
1200	23.0	-32.2	-9.1	-6.3	1.1	0.8	22.5	0.2	35.1
1300	22.4	-31.7	-9.5	-6.3	1.2	0.8	22.6	0.2	35.2
1400	21.8	-31.3	-9.9	-6.4	1.2	0.8	23.4	0.2	35.0
1500	21.3	-30.8	-10.3	-6.4	1.2	0.8	23.2	0.3	35.4
1600	20.8	-30.5	-10.7	-6.4	1.2	0.8	23.1	0.2	35.7
1700	20.3	-30.0	-11.1	-6.5	1.3	0.8	23.4	0.2	35.7
1800	19.9	-29.5	-11.4	-6.5	1.3	0.8	23.3	0.2	35.9
1900	19.4	-29.2	-11.6	-6.5	1.3	0.8	23.5	0.2	35.8
2000	19.0	-28.9	-11.9	-6.5	1.3	0.8	23.4	0.3	36.3
2100	18.6	-28.5	-12.1	-6.6	1.3	0.8	23.6	0.3	36.7
2200	18.3	-28.1	-12.3	-6.6	1.3	0.8	23.3	0.3	36.7
2300	17.9	-27.8	-12.6	-6.7	1.3	0.8	23.5	0.3	36.3
2400	17.6	-27.5	-12.7	-6.8	1.3	0.8	23.5	0.3	37.3
2500	17.3	-27.2	-12.8	-6.8	1.3	0.8	23.4	0.3	36.9
2600	17.0	-27.0	-12.9	-6.9	1.3	0.8	23.4	0.3	37.2
2700	16.7	-26.5	-13.0	-7.0	1.3	0.8	23.4	0.3	37.3
2800	16.4	-26.4	-13.0	-7.2	1.4	0.8	23.6	0.4	37.5
2900	16.1	-26.1	-12.7	-7.4	1.4	0.8	23.3	0.4	37.0
3000	15.9	-25.7	-12.7	-7.7	1.4	0.8	23.2	0.4	37.6
3100	15.6	-25.4	-12.5	-7.8	1.4	0.8	23.7	0.4	37.3
3200	15.4	-25.0	-12.1	-8.1	1.4	0.8	23.6	0.6	39.5
3300	15.2	-24.5	-11.7	-8.2	1.3	0.9	23.3	0.6	39.6
3400	15.1	-24.1	-11.5	-8.2	1.3	0.9	23.4	0.7	38.9
3500	14.9	-23.9	-11.5	-8.2	1.3	0.9	23.4	0.6	37.8
3600	14.7	-23.8	-11.4	-8.5	1.3	0.9	23.7	0.6	37.2
3700	14.4	-23.7	-11.1	-8.8	1.3	0.9	23.5	0.6	37.5
3800	14.2	-23.5	-10.8	-9.1	1.3	0.9	23.3	0.6	38.1
3900	14.0	-23.3	-10.5	-9.4	1.3	0.9	23.2	0.7	37.2
4000	13.8	-23.2	-10.2	-9.7	1.3	0.9	23.6	0.6	37.8
5000	11.4	-21.9	-8.0	-10.5	1.4	1.0	22.5	1.1	38.1

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

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: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 59\text{ mA}$, $I_{SHUTDOWN} = 0.0029\text{ }\mu\text{A}$ @ 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)
300	30.5	-39.9	-2.9	-4.6	0.8	0.8	22.0	0.2	32.6
400	29.5	-38.5	-3.8	-4.9	0.8	0.8	22.2	0.3	33.6
500	28.5	-37.4	-4.7	-5.2	0.9	0.8	21.9	0.2	34.3
550	28.1	-36.9	-5.1	-5.4	0.9	0.8	21.9	0.3	34.4
600	27.6	-36.3	-5.4	-5.5	0.9	0.8	22.0	0.2	34.1
650	27.2	-35.9	-5.9	-5.6	1.0	0.8	22.3	0.2	33.9
700	26.7	-35.6	-6.3	-5.7	1.0	0.8	21.9	0.2	34.5
750	26.3	-35.1	-6.6	-5.8	1.0	0.8	22.3	0.2	34.5
800	25.9	-34.7	-7.0	-5.9	1.0	0.8	22.8	0.2	34.0
850	25.5	-34.4	-7.3	-5.9	1.0	0.8	22.6	0.2	35.0
900	25.1	-34.1	-7.6	-6.0	1.1	0.8	22.4	0.2	35.1
950	24.7	-33.7	-7.9	-6.0	1.1	0.8	22.7	0.2	34.8
1000	24.4	-33.4	-8.2	-6.1	1.1	0.8	23.0	0.2	35.0
1100	23.7	-32.8	-8.7	-6.2	1.1	0.8	22.7	0.2	35.7
1200	23.1	-32.3	-9.2	-6.2	1.1	0.8	22.9	0.2	35.6
1300	22.5	-31.9	-9.7	-6.3	1.2	0.8	23.1	0.2	36.0
1400	21.9	-31.3	-10.1	-6.3	1.2	0.8	24.0	0.2	35.5
1500	21.4	-31.0	-10.5	-6.4	1.2	0.8	23.7	0.2	36.0
1600	20.9	-30.5	-10.8	-6.4	1.2	0.8	23.6	0.2	36.4
1700	20.4	-30.1	-11.2	-6.4	1.3	0.8	23.8	0.2	36.0
1800	19.9	-29.7	-11.5	-6.4	1.3	0.8	23.8	0.2	36.8
1900	19.5	-29.3	-11.8	-6.5	1.3	0.8	24.0	0.2	36.5
2000	19.1	-29.0	-12.1	-6.5	1.3	0.8	23.9	0.3	36.7
2100	18.7	-28.7	-12.3	-6.5	1.3	0.8	24.0	0.3	36.8
2200	18.4	-28.3	-12.5	-6.6	1.3	0.8	23.8	0.3	37.6
2300	18.0	-28.0	-12.7	-6.6	1.3	0.8	24.1	0.3	37.1
2400	17.7	-27.6	-12.9	-6.7	1.3	0.8	23.9	0.3	37.8
2500	17.4	-27.3	-13.0	-6.8	1.3	0.8	23.8	0.3	37.2
2600	17.1	-27.0	-13.1	-6.8	1.3	0.8	23.8	0.4	38.4
2700	16.8	-26.7	-13.1	-7.0	1.4	0.8	23.8	0.3	38.6
2800	16.5	-26.4	-13.1	-7.1	1.4	0.8	24.0	0.4	38.5
2900	16.2	-26.1	-12.9	-7.3	1.4	0.8	23.8	0.4	38.2
3000	16.0	-25.8	-12.8	-7.6	1.4	0.8	23.6	0.4	38.5
3100	15.7	-25.6	-12.6	-7.7	1.4	0.8	24.2	0.5	38.5
3200	15.5	-25.1	-12.3	-8.0	1.4	0.8	24.1	0.6	39.6
3300	15.2	-24.6	-11.9	-8.1	1.3	0.8	23.8	0.7	40.1
3400	15.1	-24.2	-11.7	-8.0	1.3	0.8	23.9	0.7	38.6
3500	15.0	-24.0	-11.6	-8.1	1.3	0.9	23.9	0.6	37.7
3600	14.7	-23.9	-11.5	-8.4	1.3	0.9	24.2	0.7	38.4
3700	14.5	-23.8	-11.2	-8.7	1.3	0.9	23.9	0.6	38.0
3800	14.3	-23.6	-10.9	-9.0	1.3	0.9	23.8	0.6	38.6
3900	14.1	-23.4	-10.6	-9.3	1.3	0.9	23.6	0.6	37.7
4000	13.9	-23.2	-10.3	-9.6	1.3	0.9	24.1	0.7	38.3
5000	11.5	-22.0	-8.1	-10.5	1.4	1.0	23.1	1.1	38.9

*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: $V_{DD} = +5.25\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 62\text{ mA}$, $I_{SHUTDOWN} = 0.0024\text{ }\mu\text{A}$ @ Temperature = $+25^{\circ}\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output $P_{OUT} = +4$ dBm/Tone
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
300	30.6	-40.0	-2.9	-4.6	0.8	0.8	22.2	0.3	33.0
400	29.6	-38.6	-3.8	-4.9	0.9	0.8	22.5	0.2	34.1
500	28.7	-37.5	-4.7	-5.2	0.9	0.8	22.2	0.2	34.5
550	28.2	-36.9	-5.2	-5.4	0.9	0.8	22.2	0.3	34.6
600	27.7	-36.4	-5.5	-5.5	0.9	0.8	22.3	0.1	35.0
650	27.3	-36.2	-5.9	-5.6	1.0	0.8	22.7	0.2	34.2
700	26.8	-35.8	-6.4	-5.7	1.0	0.8	22.2	0.2	35.4
750	26.4	-35.2	-6.7	-5.7	1.0	0.8	22.7	0.2	34.9
800	25.9	-34.9	-7.1	-5.8	1.0	0.8	23.1	0.2	34.9
850	25.6	-34.6	-7.4	-5.9	1.0	0.8	22.9	0.2	35.3
900	25.2	-34.2	-7.7	-5.9	1.1	0.8	22.8	0.2	35.7
950	24.8	-33.9	-8.0	-6.0	1.1	0.8	23.0	0.2	35.3
1000	24.5	-33.6	-8.3	-6.0	1.1	0.8	23.4	0.2	35.4
1100	23.8	-33.0	-8.8	-6.1	1.1	0.8	23.2	0.2	36.2
1200	23.1	-32.5	-9.3	-6.2	1.2	0.8	23.4	0.2	36.3
1300	22.5	-32.0	-9.8	-6.2	1.2	0.8	23.6	0.2	36.2
1400	22.0	-31.5	-10.2	-6.3	1.2	0.8	24.3	0.2	36.2
1500	21.4	-31.0	-10.6	-6.3	1.2	0.8	24.1	0.2	36.5
1600	20.9	-30.6	-11.0	-6.3	1.2	0.8	24.0	0.2	36.8
1700	20.4	-30.2	-11.3	-6.4	1.3	0.8	24.2	0.2	36.6
1800	20.0	-29.7	-11.6	-6.4	1.3	0.8	24.2	0.2	37.4
1900	19.6	-29.4	-11.9	-6.4	1.3	0.8	24.4	0.3	37.1
2000	19.2	-29.1	-12.2	-6.4	1.3	0.8	24.3	0.2	37.6
2100	18.8	-28.7	-12.4	-6.5	1.3	0.8	24.5	0.3	37.9
2200	18.4	-28.3	-12.6	-6.5	1.3	0.8	24.2	0.3	38.3
2300	18.1	-28.0	-12.9	-6.6	1.3	0.8	24.5	0.3	37.8
2400	17.8	-27.7	-13.0	-6.6	1.3	0.8	24.3	0.3	37.8
2500	17.4	-27.4	-13.1	-6.7	1.3	0.8	24.2	0.3	38.1
2600	17.1	-27.1	-13.2	-6.7	1.3	0.8	24.2	0.3	38.3
2700	16.9	-26.8	-13.3	-6.9	1.4	0.8	24.3	0.2	39.6
2800	16.6	-26.5	-13.2	-7.0	1.4	0.8	24.4	0.4	38.4
2900	16.2	-26.2	-13.0	-7.2	1.4	0.8	24.1	0.4	39.0
3000	16.0	-25.8	-13.0	-7.5	1.4	0.8	24.1	0.4	40.2
3100	15.7	-25.7	-12.8	-7.7	1.4	0.8	24.6	0.5	39.2
3200	15.5	-25.2	-12.4	-7.9	1.4	0.8	24.5	0.6	39.3
3300	15.3	-24.7	-12.0	-8.0	1.3	0.8	24.2	0.7	39.2
3400	15.2	-24.2	-11.8	-8.0	1.3	0.8	24.3	0.6	38.8
3500	15.0	-24.1	-11.7	-8.0	1.3	0.8	24.3	0.6	38.0
3600	14.8	-24.0	-11.6	-8.3	1.3	0.9	24.6	0.6	37.7
3700	14.6	-23.8	-11.4	-8.6	1.3	0.9	24.3	0.6	38.2
3800	14.4	-23.6	-11.0	-8.9	1.3	0.9	24.2	0.7	39.1
3900	14.2	-23.5	-10.7	-9.2	1.3	0.9	24.0	0.6	38.7
4000	14.0	-23.3	-10.4	-9.5	1.3	0.9	24.5	0.7	39.1
5000	11.6	-22.0	-8.1	-10.4	1.4	1.0	23.5	1.1	40.1

*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: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 59\text{ mA}$, $I_{SHUTDOWN} = 0.0031\text{ }\mu\text{A}$ @ 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			
300	31.4	-41.1	-3.1	-4.7	0.9	0.8	22.6	0.2	35.4
400	30.4	-39.2	-4.1	-5.1	0.9	0.8	22.3	0.1	35.4
500	29.4	-38.1	-5.1	-5.3	0.9	0.7	22.7	0.1	35.3
550	28.9	-37.5	-5.5	-5.4	0.9	0.7	22.8	0.1	34.7
600	28.4	-36.9	-6.0	-5.5	1.0	0.7	22.7	0.1	35.5
650	27.9	-36.5	-6.4	-5.6	1.0	0.7	22.7	0.1	35.1
700	27.4	-35.9	-6.8	-5.7	1.0	0.7	23.1	0.1	34.6
750	27.0	-35.7	-7.2	-5.8	1.0	0.7	23.5	0.1	35.5
800	26.5	-35.3	-7.5	-5.8	1.0	0.7	23.0	0.1	35.2
850	26.1	-35.0	-7.9	-5.9	1.1	0.7	23.0	0.1	35.6
900	25.7	-34.6	-8.2	-5.9	1.1	0.7	23.1	0.1	35.5
950	25.4	-34.3	-8.5	-6.0	1.1	0.7	23.2	0.1	35.5
1000	25.0	-34.0	-8.8	-6.0	1.1	0.7	23.1	0.1	34.8
1100	24.3	-33.3	-9.3	-6.1	1.1	0.7	23.6	0.1	36.0
1200	23.6	-32.8	-9.8	-6.1	1.1	0.7	23.7	0.1	36.1
1300	23.0	-32.3	-10.3	-6.1	1.2	0.7	24.3	0.1	35.2
1400	22.5	-31.8	-10.7	-6.1	1.2	0.7	23.8	0.1	34.9
1500	21.9	-31.3	-11.1	-6.1	1.2	0.7	24.3	0.1	35.4
1600	21.4	-30.8	-11.6	-6.1	1.2	0.7	24.4	0.1	35.2
1700	20.9	-30.3	-12.0	-6.1	1.2	0.7	25.0	0.1	34.6
1800	20.5	-30.0	-12.3	-6.1	1.2	0.7	24.4	0.1	34.6
1900	20.0	-29.6	-12.7	-6.2	1.2	0.7	24.6	0.1	34.3
2000	19.6	-29.2	-13.0	-6.2	1.2	0.7	23.8	0.1	34.7
2100	19.2	-28.8	-13.3	-6.2	1.3	0.7	24.0	0.1	34.2
2200	18.9	-28.5	-13.5	-6.2	1.3	0.7	24.5	0.1	34.1
2300	18.5	-28.2	-13.6	-6.3	1.3	0.7	24.5	0.1	35.0
2400	18.2	-27.8	-13.7	-6.4	1.3	0.7	24.5	0.1	34.3
2500	17.9	-27.5	-13.7	-6.5	1.3	0.7	24.4	0.1	34.5
2600	17.6	-27.2	-13.7	-6.6	1.3	0.7	24.4	0.1	34.5
2700	17.3	-26.9	-13.7	-6.7	1.3	0.8	23.9	0.1	34.5
2800	17.0	-26.6	-13.6	-6.8	1.3	0.8	24.6	0.1	34.6
2900	16.7	-26.3	-13.4	-7.0	1.3	0.8	24.4	0.2	34.4
3000	16.4	-26.0	-13.2	-7.2	1.3	0.8	24.6	0.1	34.9
3100	16.2	-25.7	-13.1	-7.4	1.3	0.8	24.6	0.2	35.0
3200	16.0	-25.3	-12.8	-7.6	1.3	0.8	24.6	0.2	35.7
3300	15.7	-24.8	-12.4	-7.7	1.3	0.8	24.3	0.4	36.5
3400	15.6	-24.2	-12.1	-7.6	1.2	0.8	23.9	0.5	36.0
3500	15.5	-24.1	-12.3	-7.7	1.2	0.8	24.3	0.5	34.7
3600	15.3	-24.0	-12.2	-7.9	1.2	0.8	24.5	0.4	34.7
3700	15.1	-23.8	-12.0	-8.2	1.2	0.8	23.3	0.3	34.1
3800	14.9	-23.7	-11.7	-8.5	1.2	0.9	23.3	0.3	33.9
3900	14.7	-23.5	-11.4	-8.8	1.3	0.9	23.4	0.3	33.8
4000	14.5	-23.3	-11.0	-9.1	1.3	0.9	23.8	0.4	33.6
5000	12.1	-22.1	-8.1	-10.2	1.3	1.0	23.0	0.8	33.8

*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: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 60\text{ mA}$, $I_{SHUTDOWN} = 0.0016\text{ }\mu\text{A}$ @ 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			
300	29.9	-39.1	-2.7	-4.3	0.8	0.7	22.0	0.4	32.1
400	29.0	37.9	-3.5	-4.7	0.8	0.8	22.0	0.4	31.6
500	28.1	-36.7	-4.3	-5.0	0.8	0.8	22.1	0.4	32.9
550	27.6	-36.4	-4.7	-5.2	0.9	0.8	22.1	0.4	32.8
600	27.2	-35.7	-5.1	-5.3	0.9	0.8	22.1	0.4	33.4
650	26.7	-35.5	-5.5	-5.4	0.9	0.8	22.3	0.5	33.2
700	26.3	-35.1	-5.8	-5.5	0.9	0.8	22.3	0.4	32.8
750	25.9	-34.6	-6.2	-5.6	1.0	0.8	22.6	0.5	33.2
800	25.5	-34.4	-6.5	-5.7	1.0	0.8	22.3	0.5	33.8
850	25.1	-34.0	-6.8	-5.8	1.0	0.8	22.5	0.5	33.6
900	24.7	-33.8	-7.1	-5.9	1.0	0.8	22.4	0.5	33.4
950	24.3	-33.4	-7.4	-5.9	1.1	0.8	22.6	0.5	33.5
1000	24.0	-33.1	-7.7	-6.0	1.1	0.8	22.6	0.5	33.5
1100	23.3	-32.7	-8.2	-6.1	1.1	0.8	22.8	0.5	34.3
1200	22.7	-32.1	-8.7	-6.2	1.1	0.8	22.9	0.5	33.5
1300	22.1	-31.6	-9.1	-6.2	1.2	0.8	23.2	0.5	33.4
1400	21.6	-31.3	-9.5	-6.3	1.2	0.8	22.9	0.5	34.1
1500	21.0	-30.8	-9.9	-6.3	1.2	0.8	23.2	0.5	33.8
1600	20.5	-30.4	-10.2	-6.3	1.2	0.8	23.3	0.5	35.0
1700	20.0	-30.0	-10.6	-6.4	1.3	0.8	23.5	0.6	34.1
1800	19.6	-29.6	-10.8	-6.4	1.3	0.8	23.3	0.6	34.6
1900	19.2	-29.2	-11.1	-6.4	1.3	0.8	23.3	0.7	35.3
2000	18.7	-28.9	-11.3	-6.5	1.3	0.8	22.8	0.6	36.5
2100	18.4	-28.6	-11.5	-6.5	1.3	0.8	22.9	0.6	35.5
2200	18.0	-28.3	-11.6	-6.5	1.3	0.8	23.2	0.7	36.0
2300	17.6	-27.9	-11.8	-6.6	1.3	0.8	23.1	0.7	36.5
2400	17.3	-27.6	-11.9	-6.6	1.3	0.8	23.1	0.7	36.8
2500	17.0	-27.3	-12.0	-6.7	1.4	0.8	23.1	0.7	35.8
2600	16.7	-27.0	-12.1	-6.8	1.4	0.8	23.1	0.6	36.6
2700	16.4	-26.8	-12.2	-6.8	1.4	0.8	22.7	0.8	36.4
2800	16.1	-26.4	-12.2	-6.9	1.4	0.8	23.2	0.8	35.7
2900	15.8	-26.2	-12.1	-7.1	1.4	0.8	23.1	0.9	35.7
3000	15.6	-25.9	-12.1	-7.4	1.4	0.8	23.3	0.9	36.2
3100	15.3	-25.6	-12.0	-7.6	1.4	0.8	23.2	0.9	36.2
3200	15.1	-25.1	-11.7	-7.7	1.4	0.8	23.2	1.0	36.7
3300	14.9	-24.6	-11.4	-7.7	1.3	0.9	23.0	1.1	36.3
3400	14.8	-24.2	-11.3	-7.7	1.3	0.8	22.8	1.2	36.3
3500	14.6	-24.1	-11.3	-7.9	1.3	0.9	23.2	1.2	35.9
3600	14.3	-24.0	-11.2	-8.2	1.3	0.9	23.2	1.1	36.5
3700	14.1	-23.8	-10.9	-8.5	1.3	0.9	22.5	1.1	37.8
3800	13.9	-23.7	-10.6	-8.8	1.4	0.9	22.5	1.2	37.0
3900	13.7	-23.5	-10.3	-9.2	1.4	0.9	22.5	1.2	36.8
4000	13.5	-23.3	-10.0	-9.5	1.4	0.9	22.8	1.3	37.8
5000	11.1	-22.1	-7.7	-10.3	1.4	1.1	22.0	1.6	36.0

*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: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 40\text{ mA}$, $I_{SHUTDOWN} = 0.0026\text{ }\mu\text{A}$, $R_{I_{ADJ}} = 40\Omega$ @ Temperature = $+25^\circ\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output $P_{OUT} = +4\text{ dBm/Tone}$
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dB)	(dBm)
300	29.5	-39.2	-2.4	-4.0	0.7	0.7	22.7	0.3	28.3
400	28.6	-37.7	-3.1	-4.3	0.7	0.7	22.3	0.2	28.9
500	27.8	-36.5	-3.9	-4.7	0.8	0.7	22.1	0.2	29.4
550	27.3	-36.0	-4.3	-4.9	0.8	0.7	22.2	0.3	28.9
600	26.9	-35.5	-4.7	-5.0	0.8	0.7	21.8	0.2	29.1
650	26.5	-35.2	-5.0	-5.1	0.9	0.8	22.1	0.2	29.3
700	26.0	-34.8	-5.4	-5.3	0.9	0.8	21.7	0.3	29.9
750	25.6	-34.4	-5.7	-5.4	0.9	0.8	21.9	0.3	30.0
800	25.2	-34.1	-6.1	-5.5	0.9	0.8	21.6	0.3	30.1
850	24.9	-33.9	-6.4	-5.6	1.0	0.8	22.0	0.2	29.7
900	24.5	-33.6	-6.7	-5.7	1.0	0.8	22.3	0.3	30.4
950	24.1	-33.3	-6.9	-5.8	1.0	0.8	21.9	0.2	30.6
1000	23.8	-33.1	-7.2	-5.8	1.0	0.8	23.2	0.2	29.7
1100	23.1	-32.6	-7.7	-6.0	1.1	0.8	22.5	0.2	29.8
1200	22.4	-32.1	-8.1	-6.1	1.1	0.8	22.9	0.3	30.0
1300	21.9	-31.7	-8.5	-6.2	1.1	0.8	23.2	0.2	30.7
1400	21.3	-31.2	-8.8	-6.2	1.1	0.8	23.3	0.3	30.8
1500	20.8	-30.8	-9.2	-6.3	1.2	0.8	23.2	0.3	31.0
1600	20.2	-30.4	-9.5	-6.3	1.2	0.8	23.2	0.3	31.4
1700	19.8	-30.0	-9.7	-6.4	1.2	0.8	23.0	0.2	32.3
1800	19.3	-29.7	-10.0	-6.4	1.2	0.8	23.7	0.3	31.6
1900	18.9	-29.4	-10.2	-6.5	1.3	0.8	23.8	0.2	30.8
2000	18.5	-29.0	-10.3	-6.5	1.3	0.8	23.7	0.3	31.4
2100	18.1	-28.6	-10.5	-6.5	1.3	0.8	23.7	0.3	31.4
2200	17.7	-28.4	-10.7	-6.5	1.3	0.8	24.2	0.3	31.2
2300	17.3	-28.0	-10.9	-6.6	1.3	0.8	23.3	0.3	32.2
2400	17.0	-27.7	-11.0	-6.6	1.3	0.8	23.6	0.3	31.6
2500	16.6	-27.4	-11.1	-6.7	1.3	0.8	24.0	0.4	31.6
2600	16.3	-27.2	-11.1	-6.7	1.3	0.8	24.1	0.4	31.7
2700	16.0	-26.9	-11.2	-6.8	1.3	0.8	23.8	0.5	31.3
2800	15.7	-26.7	-11.2	-6.9	1.4	0.8	24.0	0.5	31.1
2900	15.4	-26.4	-11.1	-7.0	1.4	0.8	23.5	0.5	32.3
3000	15.1	-26.1	-10.9	-7.2	1.4	0.8	23.3	0.5	32.0
3100	14.9	-25.6	-11.0	-7.4	1.3	0.9	23.9	0.5	31.9
3200	14.7	-25.4	-11.0	-7.5	1.3	0.9	22.4	0.5	32.0
3300	14.4	-25.1	-10.9	-7.6	1.4	0.9	23.4	0.5	32.0
3400	14.2	-24.7	-10.6	-7.7	1.3	0.9	23.8	0.6	31.5
3500	14.0	-24.3	-10.4	-7.8	1.3	0.9	23.6	0.7	31.7
3600	13.8	-24.1	-10.3	-7.9	1.3	0.9	23.7	0.6	31.8
3700	13.6	-24.0	-10.2	-8.0	1.3	0.9	23.8	0.6	31.8
3800	13.4	-23.9	-10.1	-8.2	1.3	0.9	23.7	0.7	31.8
3900	13.2	-23.7	-9.9	-8.4	1.3	0.9	23.8	0.7	32.0
4000	13.0	-23.5	-9.7	-8.7	1.3	0.9	22.8	0.7	31.8
5000	10.7	-22.2	-7.8	-9.3	1.4	1.0	20.5	1.2	31.1

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: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 40\text{ mA}$, $I_{SHUTDOWN} = 0.0026\text{ }\mu\text{A}$, $R_{IADJ} = 620\Omega$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output $P_{OUT} = +4$ dBm/Tone
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
300	30.2	-39.7	-2.7	-4.3	0.8	0.7	22.6	0.3	30.6
400	29.3	-38.1	-3.5	-4.7	0.8	0.7	22.4	0.3	30.6
500	28.4	-37.0	-4.4	-5.0	0.8	0.8	22.5	0.3	31.6
550	27.9	-36.6	-4.8	-5.1	0.9	0.8	22.2	0.3	31.9
600	27.4	-36.0	-5.2	-5.3	0.9	0.8	22.2	0.3	32.4
650	27.0	-35.7	-5.6	-5.4	0.9	0.8	22.5	0.3	31.9
700	26.5	-35.2	-5.9	-5.5	0.9	0.8	22.4	0.3	31.6
750	26.1	-34.9	-6.3	-5.6	1.0	0.8	22.7	0.3	31.9
800	25.7	-34.6	-6.6	-5.7	1.0	0.8	22.3	0.3	32.4
850	25.3	-34.3	-6.9	-5.8	1.0	0.8	22.5	0.3	32.2
900	24.9	-34.1	-7.2	-5.8	1.0	0.8	22.5	0.4	31.9
950	24.5	-33.6	-7.5	-5.9	1.0	0.8	22.7	0.3	31.9
1000	24.2	-33.4	-7.8	-5.9	1.1	0.8	22.8	0.3	32.1
1100	23.5	-32.9	-8.3	-6.0	1.1	0.8	23.1	0.3	32.9
1200	22.8	-32.2	-8.8	-6.1	1.1	0.8	23.4	0.3	32.4
1300	22.2	-31.8	-9.3	-6.2	1.2	0.8	24.1	0.4	32.1
1400	21.7	-31.3	-9.7	-6.2	1.2	0.8	23.5	0.4	33.0
1500	21.1	-30.9	-10.1	-6.2	1.2	0.8	23.9	0.3	32.5
1600	20.6	-30.5	-10.5	-6.3	1.2	0.8	24.1	0.3	33.2
1700	20.1	-30.1	-10.9	-6.3	1.2	0.8	24.6	0.3	33.1
1800	19.7	-29.7	-11.2	-6.3	1.3	0.8	24.1	0.4	33.4
1900	19.2	-29.3	-11.4	-6.3	1.3	0.8	24.4	0.4	33.6
2000	18.8	-29.0	-11.6	-6.4	1.3	0.8	23.6	0.4	34.6
2100	18.4	-28.7	-11.8	-6.4	1.3	0.8	23.8	0.5	34.7
2200	18.1	-28.3	-12.0	-6.4	1.3	0.8	24.1	0.4	34.8
2300	17.7	-27.9	-12.1	-6.5	1.3	0.8	24.1	0.5	34.8
2400	17.4	-27.6	-12.2	-6.5	1.3	0.8	24.1	0.5	34.7
2500	17.0	-27.3	-12.4	-6.6	1.3	0.8	24.0	0.5	34.8
2600	16.7	-27.0	-12.4	-6.7	1.3	0.8	24.1	0.5	34.4
2700	16.4	-26.7	-12.5	-6.8	1.3	0.8	23.7	0.6	34.8
2800	16.1	-26.5	-12.5	-6.9	1.4	0.8	24.3	0.5	33.5
2900	15.8	-26.2	-12.4	-7.1	1.4	0.8	24.1	0.6	33.9
3000	15.6	-25.8	-12.3	-7.3	1.4	0.8	24.4	0.6	34.5
3100	15.4	-25.4	-12.3	-7.4	1.3	0.8	24.3	0.6	34.3
3200	15.2	-25.1	-12.3	-7.5	1.3	0.8	24.2	0.7	35.2
3300	15.0	-24.9	-12.2	-7.6	1.3	0.8	23.9	0.7	35.1
3400	14.7	-24.7	-12.0	-7.9	1.3	0.9	23.7	0.8	35.4
3500	14.5	-24.4	-11.7	-8.1	1.3	0.9	24.1	0.9	34.7
3600	14.3	-24.1	-11.3	-8.3	1.3	0.9	24.3	0.9	34.8
3700	14.1	-23.8	-10.9	-8.5	1.3	0.9	23.3	0.9	35.4
3800	13.9	-23.6	-10.6	-8.7	1.3	0.9	23.3	0.9	34.9
3900	13.7	-23.5	-10.3	-9.0	1.3	0.9	23.3	0.8	35.4
4000	13.5	-23.3	-10.0	-9.4	1.3	0.9	23.7	0.9	35.7
5000	11.4	-22.1	-8.0	-10.1	1.4	1.0	22.7	1.3	34.0

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: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 60\text{ mA}$, $I_{SHUTDOWN} = 0.0026\text{ }\mu\text{A}$, $R_{LADJ} = \text{OPEN}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output $P_{OUT} = +4\text{ dBm/Tone}$
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
300	30.6	-39.8	-2.8	-4.6	0.8	0.8	22.8	0.3	32.9
400	29.7	-38.5	-3.8	-4.9	0.8	0.8	22.6	0.3	32.6
500	28.7	-37.1	-4.7	-5.2	0.9	0.7	22.8	0.3	33.2
550	28.2	-36.6	-5.1	-5.3	0.9	0.8	22.6	0.3	33.2
600	27.7	-36.1	-5.5	-5.5	0.9	0.8	22.6	0.2	34.0
650	27.3	-36.0	-5.9	-5.6	1.0	0.8	22.9	0.3	33.9
700	26.8	-35.4	-6.3	-5.7	1.0	0.8	22.8	0.3	33.0
750	26.3	-35.1	-6.6	-5.8	1.0	0.8	23.1	0.3	34.1
800	25.9	-34.8	-7.0	-5.9	1.0	0.8	22.8	0.4	34.4
850	25.5	-34.4	-7.3	-5.9	1.0	0.8	22.8	0.4	34.0
900	25.1	-34.0	-7.6	-6.0	1.0	0.8	22.9	0.3	34.0
950	24.8	-33.7	-7.9	-6.0	1.1	0.8	23.0	0.3	33.7
1000	24.4	-33.5	-8.2	-6.1	1.1	0.8	23.1	0.3	33.8
1100	23.7	-32.7	-8.7	-6.2	1.1	0.8	23.3	0.3	34.4
1200	23.0	-32.3	-9.2	-6.2	1.1	0.8	23.6	0.3	34.1
1300	22.4	-31.8	-9.7	-6.3	1.2	0.8	24.2	0.3	33.9
1400	21.9	-31.4	-10.1	-6.3	1.2	0.8	23.6	0.4	34.5
1500	21.3	-30.9	-10.5	-6.3	1.2	0.8	24.0	0.4	34.7
1600	20.8	-30.5	-10.9	-6.4	1.2	0.8	24.2	0.3	35.4
1700	20.3	-30.1	-11.3	-6.4	1.2	0.8	24.6	0.4	34.7
1800	19.9	-29.6	-11.6	-6.4	1.2	0.8	24.2	0.4	35.4
1900	19.4	-29.3	-11.9	-6.4	1.3	0.8	24.4	0.4	35.6
2000	19.0	-28.9	-12.1	-6.5	1.3	0.8	23.6	0.4	36.8
2100	18.6	-28.6	-12.3	-6.5	1.3	0.8	23.8	0.4	36.2
2200	18.2	-28.2	-12.4	-6.5	1.3	0.8	24.2	0.5	37.2
2300	17.9	-27.9	-12.6	-6.6	1.3	0.8	24.1	0.5	37.1
2400	17.5	-27.6	-12.7	-6.6	1.3	0.8	24.1	0.5	37.0
2500	17.2	-27.3	-12.8	-6.7	1.3	0.8	24.0	0.6	38.0
2600	16.9	-27.0	-12.8	-6.7	1.3	0.8	24.1	0.5	37.0
2700	16.6	-26.7	-12.9	-6.9	1.3	0.8	23.7	0.5	38.5
2800	16.3	-26.5	-12.9	-6.9	1.3	0.8	24.3	0.5	36.5
2900	16.0	-26.1	-12.8	-7.1	1.4	0.8	24.1	0.6	35.8
3000	15.8	-25.7	-12.7	-7.4	1.3	0.8	24.4	0.6	37.3
3100	15.6	-25.3	-12.7	-7.5	1.3	0.8	24.2	0.6	37.1
3200	15.4	-25.1	-12.7	-7.6	1.3	0.8	24.2	0.7	38.2
3300	15.1	-24.8	-12.6	-7.7	1.3	0.8	23.9	0.6	37.8
3400	14.9	-24.6	-12.3	-8.0	1.3	0.8	23.6	0.7	38.8
3500	14.7	-24.3	-12.0	-8.2	1.3	0.9	24.1	0.8	38.0
3600	14.5	-24.0	-11.6	-8.5	1.3	0.9	24.2	0.8	37.5
3700	14.3	-23.7	-11.2	-8.6	1.3	0.9	23.3	0.8	38.5
3800	14.1	-23.5	-10.9	-8.9	1.3	0.9	23.3	0.9	38.8
3900	13.9	-23.4	-10.6	-9.2	1.3	0.9	23.3	0.9	37.6
4000	13.7	-23.2	-10.3	-9.5	1.3	0.9	23.6	0.9	39.2
5000	11.6	-22.0	-8.1	-10.3	1.4	1.0	22.6	1.3	37.8

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: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 59\text{ mA}$, $I_{SHUTDOWN} = 0.0029\text{ }\mu\text{A}$ @ Temperature = $+25^\circ\text{C}$

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			
300	-15.7	-70.1	-0.2	-0.1	16.6	0.1	-5.4	7.4	5.8
400	-7.9	-76.0	-0.3	-0.2	22.7	0.1	-0.1	5.3	12.3
500	-0.8	-65.8	-0.4	-0.4	0.2	7.6	5.3	3.6	18.4
550	2.7	-60.2	-0.4	-1.1	0.4	8.8	9.1	3.2	20.2
600	-3.8	-64.5	-0.5	-0.5	0.2	16.3	0.6	2.6	12.0
650	0.3	-60.3	-0.6	-0.4	0.2	6.0	3.5	1.9	14.8
700	3.2	-56.9	-0.7	-0.4	0.2	3.6	6.2	1.7	18.7
750	5.4	-55.0	-0.8	-0.4	0.2	2.9	8.0	1.2	18.9
800	7.3	-53.9	-0.9	-0.5	0.2	2.7	9.7	1.3	19.1
850	9.0	-50.8	-1.0	-0.5	0.2	2.2	10.9	1.0	19.7
900	10.6	-47.0	-1.2	-0.6	0.2	1.7	12.3	0.9	21.5
950	11.9	-46.0	-1.4	-0.7	0.2	1.7	13.7	1.0	23.3
1000	13.2	-43.7	-1.7	-0.8	0.3	1.6	15.0	0.8	24.2
1100	15.4	-40.4	-2.2	-1.2	0.3	1.5	17.2	0.6	26.7
1200	17.2	-37.5	-3.0	-1.6	0.4	1.4	18.8	0.6	29.0
1300	18.6	-35.2	-4.1	-2.3	0.4	1.4	19.8	0.5	32.0
1400	19.5	-33.2	-5.3	-3.3	0.5	1.4	20.0	0.5	34.3
1500	20.1	-31.6	-6.7	-4.3	0.6	1.3	20.4	0.4	35.8
1600	20.3	-30.4	-8.0	-5.7	0.6	1.3	20.7	0.3	36.8
1700	20.4	-29.4	-9.2	-7.2	0.7	1.3	20.8	0.3	37.6
1800	20.2	-28.7	-10.1	-8.8	0.8	1.3	21.2	0.3	37.5
1900	19.9	-28.2	-10.7	-10.3	0.8	1.3	21.3	0.3	38.0
2000	19.7	-27.7	-11.0	-11.5	0.8	1.3	22.4	0.2	37.7
2100	19.3	-27.3	-11.2	-12.5	0.9	1.3	21.1	0.2	37.9
2200	18.9	-27.0	-11.3	-13.0	0.9	1.3	20.9	0.3	37.9
2300	18.5	-26.7	-11.4	-13.2	0.9	1.3	22.1	0.2	38.6
2400	18.1	-26.4	-11.5	-13.0	0.9	1.3	22.9	0.3	38.1
2500	17.7	-26.2	-11.6	-12.6	0.9	1.3	22.6	0.3	38.6
2600	17.4	-25.9	-11.6	-12.0	0.9	1.3	22.0	0.3	38.4
2700	17.0	-25.7	-11.7	-11.6	0.9	1.4	22.9	0.4	38.2
2800	16.6	-25.6	-11.8	-11.1	0.9	1.4	23.0	0.5	38.4
2900	16.2	-25.4	-11.8	-10.9	0.9	1.4	23.8	0.5	39.0
3000	15.9	-25.1	-11.8	-10.6	0.9	1.4	23.1	0.5	39.3
3100	15.6	-24.8	-11.8	-10.3	0.9	1.4	23.2	0.4	39.3
3200	15.3	-24.6	-11.7	-10.0	0.9	1.4	23.4	0.5	38.9
3300	15.0	-24.1	-11.5	-9.8	0.9	1.3	24.1	0.6	38.3
3400	14.9	-23.7	-11.6	-9.2	0.9	1.3	24.2	0.7	38.6
3500	14.7	-23.6	-11.9	-8.9	0.9	1.3	23.9	0.6	39.9
3600	14.4	-23.5	-12.1	-8.8	0.9	1.3	23.8	0.6	39.9
3700	14.2	-23.3	-12.2	-8.7	0.9	1.3	23.8	0.5	39.8
3800	13.9	-23.2	-12.2	-8.8	0.9	1.3	23.5	0.6	40.3
3900	13.7	-23.0	-12.1	-8.8	0.9	1.3	23.2	0.6	40.6
4000	13.5	-22.9	-12.1	-8.8	0.9	1.3	23.9	0.6	40.1
5000	11.9	-21.2	-10.3	-10.5	0.9	1.4	23.3	1.0	41.8

*Note: Tested with $I_{DD} = \text{OPEN}$ on 1900-2700 MHz Application Circuit.