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 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 32 mA, $I_{SHUTDOWN}$ = 0.0014 µA @ 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)
10	26.9	-34.2	-6.3	-16.9	1.1	1.0	15.2	0.9	26.5
20	26.9	-33.4	-6.2	-17.4	1.1	0.9	14.2	0.4	25.8
30	26.9	-33.5	-6.4	-16.8	1.1	0.9	14.1	0.6	25.3
40	26.8	-33.3	-6.4	-16.2	1.1	0.9	14.1	0.4	25.3
50	26.8	-33.1	-6.3	-16.2	1.1	0.9	14.2	0.4	25.5
60	26.7	-32.8	-6.4	-15.9	1.1	0.9	14.1	0.4	25.8
70	26.7	-33.1	-6.4	-15.8	1.1	0.9	14.1	0.6	25.3
80	26.7	-32.6	-6.4	-15.8	1.1	0.9	14.2	0.5	25.0
90	26.6	-32.6	-6.4	-15.4	1.1	0.9	14.1	0.5	24.8
100	26.6	-32.9	-6.5	-15.4	1.1	0.9	14.2	0.5	25.1
200	26.0	-32.0	-6.9	-15.0	1.1	0.9	14.2	0.4	24.9
250	25.5	-31.6	-7.2	-14.9	1.1	0.9	14.0	0.4	25.1
300	25.1	-31.2	-7.5	-14.9	1.1	0.9	14.1	0.4	24.9
350	24.6	-30.6	-7.9	-14.8	1.1	0.8	14.4	0.4	24.9
400	24.1	-30.3	-8.2	-14.9	1.1	0.9	14.4	0.4	25.0
450	23.5	-29.7	-8.6	-15.1	1.1	0.9	14.1	0.4	25.1
500	23.1	-29.3	-8.9	-15.1	1.1	0.9	14.4	0.4	25.1
550	22.6	-28.8	-9.2	-15.2	1.1	0.9	14.5	0.4	25.3
600	22.1	-28.4	-9.5	-15.2	1.1	0.9	14.3	0.4	25.3
650	21.6	-27.9	-9.7	-15.2	1.1	0.9	14.6	0.4	25.2
700	21.2	-27.6	-10.0	-15.3	1.2	0.9	14.6	0.4	25.2
750	20.7	-27.0	-10.1	-15.3	1.1	0.9	14.8	0.4	25.1
800	20.3	-26.8	-10.4	-15.3	1.2	0.9	14.5	0.4	25.2
850	19.9	-26.4	-10.6	-15.3	1.2	0.9	14.7	0.5	25.4
900	19.5	-26.0	-10.7	-15.3	1.2	0.9	14.7	0.5	25.4
950	19.2	-25.7	-10.9	-15.3	1.2	0.9	14.9	0.5	25.3
1000	18.8	-25.4	-11.0	-15.4	1.2	0.9	14.9	0.4	25.5
1050	18.4	-25.0	-11.1	-15.4	1.2	0.9	15.1	0.4	25.4
1100	18.1	-24.7	-11.2	-15.4	1.2	0.9	15.0	0.4	25.1
1150	17.8	-24.4	-11.3	-15.5	1.2	0.9	15.1	0.5	25.5
1200	17.5	-24.1	-11.4	-15.4	1.2	0.9	15.1	0.4	25.3
1250	17.1	-23.8	-11.6	-15.5	1.2	0.9	15.2	0.4	25.4
1300	16.9	-23.5	-11.6	-15.5	1.2	0.9	15.4	0.4	25.4
1350	16.6	-23.3	-11.7	-15.5	1.2	0.9	15.1	0.5	25.5
1400	16.3	-23.1	-11.7	-15.5	1.2	0.9	15.0	0.5	25.7
1450	16.0	-22.8	-11.8	-15.6	1.2	0.9	15.4	0.4	25.6
1500	15.8	-22.5	-11.8	-15.6	1.2	0.9	15.5	0.5	25.8
1550	15.5	-22.3	-11.9	-15.6	1.2	0.9	14.8	0.4	25.8
1600	15.2	-22.0	-11.9	-15.7	1.2	0.9	15.4	0.5	25.8
1650	15.0	-21.8	-11.9	-15.7	1.2	0.9	15.4	0.4	26.0
1700	14.8	-21.6	-11.9	-15.7	1.2	0.9	15.7	0.5	26.1
1750	14.5	-21.4	-12.0	-15.9	1.2	0.9	15.3	0.5	25.9
1800	14.3	-21.1	-12.0	-15.9	1.2	0.9	15.5	0.5	25.8
1850	14.1	-21.0	-12.0	-15.9	1.2	0.9	15.2	0.5	26.1
1900	13.9	-20.7	-12.0	-16.0	1.2	0.9	15.5	0.5	26.1
1950	13.7	-20.5	-12.0	-16.1	1.2	0.9	15.4	0.5	25.8
2000	13.5	-20.4	-12.0	-16.2	1.2	0.9	15.0	0.5	26.1
2100	13.1	-20.0	-11.9	-16.3	1.2	0.9	15.0	0.6	26.0
2200	12.7	-19.6	-11.9	-16.6	1.2	0.9	15.4	0.6	26.0
2300	12.4	-19.3	-11.7	-16.8	1.2	0.9	15.2	0.6	25.9
2400	12.0	-19.0	-11.6	-17.1	1.2	0.9	15.4	0.6	25.6
2500	11.7	-18.7	-11.5	-17.5	1.2	0.9	15.3	0.6	25.6
2600	11.4	-18.4	-11.3	-17.9	1.2	0.9	15.4	0.7	25.5
2700	11.1	-18.1	-11.1	-18.4	1.2	0.9	15.0	0.7	25.7
2800	10.7	-17.8	-10.9	-19.1	1.2	0.9	15.2	0.8	25.5
2900	10.4	-17.6	-10.5	-20.1	1.2	0.9	14.9	0.8	25.5
3000	10.2	-17.3	-10.3	-21.4	1.2	0.9	15.2	0.8	25.7
3100	9.9	-17.1	-10.2	-22.7	1.2	0.9	15.4	0.9	25.8
3200	9.7	-16.8	-10.0	-24.1	1.2	0.9	15.5	0.8	25.7
3300	9.4	-16.7	-9.6	-26.2	1.3	0.9	15.4	1.0	25.9
3400	9.1	-16.5	-9.2	-28.9	1.3	1.0	15.4	1.0	25.7
3500	8.9	-16.2	-8.9	-31.6	1.2	1.0	15.7	1.1	25.9
3600	8.7	-16.0	-8.7	-33.1	1.2	1.0	15.8	1.0	26.4
3700	8.5	-15.8	-8.4	-31.9	1.2	1.0	15.2	1.0	25.8
3800	8.3	-15.6	-8.2	-29.6	1.2	1.0	15.8	1.1	26.0
3900	8.1	-15.4	-8.0	-27.0	1.2	1.0	15.5	1.1	25.8
4000	7.8	-15.3	-7.8	-25.1	1.2	1.0	15.6	1.1	25.9

*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} = +3 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 38 mA, $I_{SHUTDOWN}$ = 0.0014 µA @ 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)
10	27.5	-33.6	-6.7	-17.9	1.1	0.9	16.5	0.9	27.9
20	27.4	-33.3	-6.7	-19.3	1.1	0.9	15.6	0.4	27.3
30	27.4	-33.3	-6.8	-18.3	1.1	0.9	15.5	0.6	27.1
40	27.3	-33.3	-6.9	-17.7	1.1	0.9	15.5	0.4	26.9
50	27.3	-33.3	-6.8	-17.6	1.1	0.9	15.6	0.4	27.0
60	27.3	-33.3	-6.9	-17.3	1.1	0.9	15.4	0.3	26.9
70	27.2	-33.2	-6.9	-17.0	1.1	0.9	15.4	0.5	26.8
80	27.2	-33.1	-6.9	-17.0	1.1	0.9	15.5	0.4	26.4
90	27.2	-33.0	-7.0	-16.6	1.1	0.9	15.4	0.5	26.3
100	27.1	-32.8	-7.0	-16.5	1.1	0.8	15.4	0.4	26.7
200	26.5	-32.5	-7.4	-15.7	1.1	0.8	15.5	0.4	26.6
250	26.0	-32.0	-7.7	-15.4	1.1	0.8	15.3	0.4	26.9
300	25.6	-31.5	-8.1	-15.4	1.1	0.8	15.5	0.4	26.7
350	25.0	-31.2	-8.5	-15.1	1.1	0.8	15.7	0.4	26.8
400	24.5	-30.5	-8.8	-15.1	1.1	0.8	15.7	0.4	26.9
450	24.0	-30.2	-9.2	-15.2	1.1	0.8	15.4	0.4	27.1
500	23.5	-29.7	-9.5	-15.0	1.1	0.8	15.7	0.4	27.0
550	23.0	-29.3	-9.8	-15.1	1.2	0.8	15.7	0.4	27.1
600	22.5	-28.8	-10.2	-14.9	1.2	0.8	15.6	0.3	27.2
650	22.0	-28.4	-10.4	-14.9	1.2	0.8	15.9	0.4	27.1
700	21.6	-28.0	-10.7	-14.9	1.2	0.8	15.8	0.4	27.3
750	21.1	-27.5	-10.9	-14.9	1.2	0.8	16.0	0.5	27.1
800	20.7	-27.2	-11.1	-14.9	1.2	0.8	15.8	0.4	27.2
850	20.3	-26.8	-11.3	-14.8	1.2	0.8	16.0	0.5	27.3
900	19.9	-26.4	-11.4	-14.8	1.2	0.8	16.0	0.3	27.4
950	19.5	-26.1	-11.6	-14.8	1.2	0.8	16.1	0.4	27.4
1000	19.2	-25.7	-11.7	-14.8	1.2	0.8	16.0	0.4	27.5
1050	18.8	-25.3	-11.9	-14.8	1.2	0.8	16.2	0.4	27.3
1100	18.5	-25.0	-12.0	-14.8	1.2	0.8	16.1	0.4	27.2
1150	18.1	-24.7	-12.1	-14.8	1.2	0.8	16.2	0.4	27.4
1200	17.8	-24.4	-12.2	-14.8	1.2	0.8	16.2	0.4	27.2
1250	17.5	-24.1	-12.3	-14.8	1.2	0.8	16.3	0.4	27.3
1300	17.2	-23.8	-12.4	-14.8	1.2	0.8	16.7	0.5	27.5
1350	16.9	-23.6	-12.5	-14.8	1.2	0.8	16.3	0.4	27.6
1400	16.6	-23.3	-12.5	-14.9	1.2	0.8	16.2	0.4	27.7
1450	16.4	-23.1	-12.6	-14.9	1.2	0.8	16.6	0.4	27.8
1500	16.1	-22.8	-12.6	-14.9	1.2	0.8	16.7	0.4	27.9
1550	15.9	-22.6	-12.7	-14.9	1.2	0.8	15.9	0.5	27.8
1600	15.6	-22.3	-12.7	-15.0	1.2	0.8	16.6	0.4	28.1
1650	15.4	-22.1	-12.7	-14.9	1.2	0.8	16.4	0.4	27.9
1700	15.1	-21.9	-12.8	-14.9	1.2	0.8	16.9	0.5	28.2
1750	14.9	-21.7	-12.8	-15.0	1.2	0.8	16.5	0.4	28.1
1800	14.7	-21.4	-12.8	-15.0	1.2	0.8	16.6	0.5	28.0
1850	14.5	-21.2	-12.8	-15.1	1.2	0.9	16.2	0.5	28.1
1900	14.3	-21.0	-12.8	-15.1	1.2	0.9	16.5	0.5	28.4
1950	14.0	-20.8	-12.8	-15.2	1.2	0.9	16.4	0.5	28.2
2000	13.8	-20.6	-12.8	-15.3	1.2	0.9	16.1	0.5	28.2
2100	13.5	-20.2	-12.7	-15.4	1.2	0.9	16.0	0.6	27.8
2200	13.1	-19.9	-12.6	-15.6	1.2	0.9	16.4	0.6	28.1
2300	12.7	-19.5	-12.5	-15.8	1.2	0.9	16.4	0.6	27.8
2400	12.4	-19.2	-12.4	-16.1	1.2	0.9	16.5	0.5	27.8
2500	12.1	-18.9	-12.2	-16.4	1.2	0.9	16.4	0.6	27.7
2600	11.7	-18.6	-12.0	-16.8	1.2	0.9	16.4	0.6	27.8
2700	11.4	-18.3	-11.8	-17.3	1.2	0.9	15.9	0.6	27.7
2800	11.1	-18.1	-11.5	-17.9	1.2	0.9	16.0	0.7	27.6
2900	10.8	-17.8	-11.2	-18.7	1.2	0.9	15.7	0.7	27.7
3000	10.6	-17.5	-10.9	-19.8	1.2	0.9	16.0	0.8	27.6
3100	10.3	-17.2	-10.8	-20.9	1.2	0.9	16.3	0.8	27.7
3200	10.0	-17.1	-10.6	-22.1	1.2	0.9	16.4	0.8	27.8
3300	9.7	-16.9	-10.2	-23.9	1.2	0.9	16.4	0.9	27.7
3400	9.5	-16.6	-9.7	-26.1	1.2	0.9	16.3	1.0	27.7
3500	9.3	-16.4	-9.4	-28.6	1.2	0.9	16.5	0.9	28.0
3600	9.1	-16.2	-9.1	-31.3	1.2	1.0	16.7	1.1	28.3
3700	8.9	-16.0	-8.9	-33.4	1.2	1.0	16.1	0.9	27.7
3800	8.7	-15.8	-8.6	-32.9	1.2	1.0	16.8	1.0	28.1
3900	8.4	-15.6	-8.4	-30.2	1.2	1.0	16.3	1.1	27.9
4000	8.2	-15.5	-8.2	-27.8	1.2	1.0	16.5	1.1	27.6

*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} = +3.3 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 43 mA, $I_{SHUTDOWN}$ = 0.0014 µA @ 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)
10	27.9	-34.8	-7.2	-19.4	1.2	1.0	17.6	0.9	29.8
20	27.9	-33.3	-7.1	-20.8	1.1	0.9	16.8	0.4	29.0
30	27.8	-33.5	-7.3	-19.8	1.1	0.9	16.7	0.6	28.7
40	27.7	-33.9	-7.3	-19.1	1.1	0.9	16.7	0.3	28.6
50	27.7	-33.6	-7.3	-18.8	1.1	0.9	16.6	0.4	28.5
60	27.7	-33.4	-7.3	-18.4	1.1	0.9	16.5	0.4	28.5
70	27.6	-33.1	-7.3	-18.0	1.1	0.8	16.5	0.5	28.2
80	27.7	-33.4	-7.4	-18.1	1.1	0.8	16.6	0.4	28.5
90	27.6	-33.1	-7.4	-17.4	1.1	0.8	16.5	0.5	28.2
100	27.5	-33.2	-7.4	-17.4	1.1	0.8	16.6	0.4	28.4
200	26.9	-32.6	-7.9	-16.2	1.1	0.8	16.7	0.4	28.1
250	26.4	-32.1	-8.2	-15.7	1.1	0.8	16.5	0.4	28.7
300	25.9	-32.1	-8.6	-15.6	1.2	0.8	16.7	0.4	28.4
350	25.4	-31.5	-9.0	-15.2	1.2	0.8	16.9	0.4	28.8
400	24.9	-30.8	-9.3	-15.0	1.1	0.8	16.8	0.4	28.8
450	24.3	-30.7	-9.8	-15.0	1.2	0.8	16.5	0.4	28.8
500	23.8	-30.1	-10.1	-14.8	1.2	0.8	16.8	0.4	28.6
550	23.3	-29.6	-10.4	-14.7	1.2	0.8	16.9	0.4	29.2
600	22.8	-29.2	-10.8	-14.6	1.2	0.8	16.7	0.4	29.2
650	22.3	-28.7	-11.0	-14.5	1.2	0.8	17.0	0.3	29.1
700	21.9	-28.3	-11.3	-14.5	1.2	0.8	16.9	0.4	29.4
750	21.5	-27.9	-11.5	-14.5	1.2	0.8	17.2	0.4	29.1
800	21.0	-27.5	-11.7	-14.4	1.2	0.8	16.9	0.4	29.4
850	20.6	-27.1	-11.9	-14.3	1.2	0.8	17.0	0.4	29.4
900	20.2	-26.7	-12.1	-14.3	1.2	0.8	17.0	0.4	29.4
950	19.8	-26.4	-12.3	-14.3	1.2	0.8	17.1	0.4	29.6
1000	19.5	-26.0	-12.4	-14.2	1.2	0.8	17.1	0.4	29.7
1050	19.1	-25.6	-12.5	-14.2	1.2	0.8	17.2	0.4	29.6
1100	18.8	-25.3	-12.7	-14.2	1.2	0.8	17.2	0.4	29.3
1150	18.4	-25.0	-12.8	-14.2	1.2	0.8	17.3	0.4	29.7
1200	18.1	-24.7	-12.9	-14.1	1.2	0.8	17.3	0.5	29.4
1250	17.8	-24.4	-13.0	-14.2	1.2	0.8	17.4	0.4	29.5
1300	17.5	-24.1	-13.0	-14.1	1.2	0.8	17.7	0.4	29.6
1350	17.2	-23.8	-13.1	-14.2	1.2	0.8	17.3	0.4	29.7
1400	16.9	-23.6	-13.2	-14.2	1.2	0.8	17.2	0.4	30.1
1450	16.7	-23.3	-13.3	-14.2	1.2	0.8	17.5	0.4	30.0
1500	16.4	-23.0	-13.3	-14.2	1.2	0.8	17.6	0.4	30.0
1550	16.1	-22.8	-13.4	-14.2	1.2	0.8	16.9	0.4	29.7
1600	15.9	-22.6	-13.4	-14.3	1.2	0.8	17.6	0.5	30.1
1650	15.6	-22.3	-13.4	-14.2	1.2	0.8	17.4	0.5	30.2
1700	15.4	-22.1	-13.4	-14.2	1.2	0.8	17.8	0.4	30.6
1750	15.2	-21.9	-13.5	-14.3	1.2	0.8	17.4	0.4	30.3
1800	15.0	-21.6	-13.5	-14.3	1.2	0.8	17.6	0.4	30.2
1850	14.7	-21.4	-13.5	-14.3	1.2	0.8	17.1	0.5	30.4
1900	14.5	-21.2	-13.5	-14.4	1.2	0.8	17.5	0.4	30.5
1950	14.3	-21.1	-13.5	-14.4	1.2	0.8	17.4	0.5	30.3
2000	14.1	-20.8	-13.4	-14.5	1.2	0.8	17.0	0.5	30.3
2100	13.7	-20.4	-13.4	-14.6	1.2	0.8	17.0	0.5	30.2
2200	13.4	-20.1	-13.3	-14.8	1.2	0.8	17.4	0.5	30.5
2300	13.0	-19.7	-13.1	-14.9	1.2	0.8	17.3	0.5	30.2
2400	12.7	-19.4	-13.0	-15.2	1.2	0.9	17.4	0.6	29.8
2500	12.3	-19.1	-12.8	-15.5	1.2	0.9	17.3	0.6	30.0
2600	12.0	-18.8	-12.6	-15.9	1.2	0.9	17.2	0.6	30.0
2700	11.7	-18.5	-12.4	-16.3	1.2	0.9	16.8	0.6	29.9
2800	11.4	-18.3	-12.1	-16.8	1.2	0.9	16.8	0.7	29.7
2900	11.1	-18.0	-11.7	-17.6	1.2	0.9	16.4	0.7	29.8
3000	10.8	-17.7	-11.4	-18.5	1.2	0.9	16.8	0.7	29.9
3100	10.6	-17.5	-11.3	-19.4	1.2	0.9	17.1	0.8	30.0
3200	10.3	-17.3	-11.0	-20.5	1.2	0.9	17.2	0.7	30.1
3300	10.0	-17.1	-10.6	-22.0	1.2	0.9	17.1	1.0	30.1
3400	9.8	-16.8	-10.1	-23.8	1.2	0.9	17.0	1.1	29.9
3500	9.6	-16.6	-9.8	-25.7	1.2	0.9	17.3	1.0	30.1
3600	9.4	-16.3	-9.5	-27.9	1.2	0.9	17.5	1.0	30.6
3700	9.2	-16.1	-9.2	-30.8	1.2	0.9	16.9	1.0	29.9
3800	9.0	-15.9	-8.9	-32.6	1.2	1.0	17.5	1.0	30.3
3900	8.7	-15.8	-8.7	-32.5	1.2	1.0	17.0	0.9	30.1
4000	8.5	-15.6	-8.5	-30.6	1.2	1.0	17.2	1.1	29.9

*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} = +4.75 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 68 mA, $I_{SHUTDOWN}$ = 0.0014 µA @ 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)
10	29.0	-34.9	-8.4	-22.5	1.1	0.9	21.8	1.0	33.2
20	29.0	-34.2	-8.5	-30.3	1.1	0.8	21.0	0.3	32.5
30	29.0	-34.1	-8.7	-26.8	1.1	0.8	21.0	0.3	32.9
40	28.9	-34.4	-8.7	-24.6	1.1	0.8	20.8	0.3	33.5
50	28.9	-33.7	-8.6	-23.6	1.1	0.8	20.8	0.3	33.7
60	28.9	-34.2	-8.8	-22.4	1.1	0.8	20.7	0.4	33.9
70	28.8	-33.5	-8.7	-21.3	1.1	0.8	20.8	0.5	33.8
80	28.8	-33.9	-8.8	-21.2	1.1	0.8	20.8	0.4	33.1
90	28.7	-33.6	-8.9	-20.2	1.1	0.8	20.7	0.4	33.5
100	28.7	-33.8	-8.9	-19.9	1.1	0.8	20.8	0.5	33.6
200	27.9	-33.1	-9.4	-16.8	1.1	0.7	20.8	0.4	33.7
250	27.4	-33.0	-9.8	-15.8	1.1	0.7	20.7	0.4	33.6
300	26.9	-32.6	-10.2	-15.2	1.2	0.7	20.7	0.4	33.3
350	26.3	-32.2	-10.7	-14.6	1.2	0.7	20.7	0.4	33.6
400	25.8	-31.7	-11.1	-14.2	1.2	0.7	20.6	0.4	33.8
450	25.2	-31.3	-11.5	-13.9	1.2	0.8	20.2	0.4	34.0
500	24.7	-30.9	-11.8	-13.7	1.2	0.8	20.5	0.4	34.4
550	24.1	-30.5	-12.3	-13.5	1.2	0.8	20.4	0.4	34.9
600	23.6	-30.1	-12.6	-13.3	1.2	0.8	20.2	0.4	35.1
650	23.1	-29.5	-12.9	-13.1	1.2	0.8	20.4	0.4	35.3
700	22.7	-29.0	-13.2	-13.0	1.2	0.8	20.3	0.4	35.0
750	22.2	-28.6	-13.4	-12.9	1.2	0.8	20.5	0.4	34.7
800	21.8	-28.3	-13.6	-12.8	1.2	0.8	20.2	0.5	35.2
850	21.3	-27.9	-13.9	-12.7	1.2	0.8	20.2	0.5	35.8
900	20.9	-27.5	-14.0	-12.7	1.2	0.8	20.2	0.4	35.5
950	20.5	-27.2	-14.2	-12.6	1.2	0.8	20.3	0.4	35.1
1000	20.2	-26.8	-14.4	-12.6	1.2	0.8	20.2	0.4	36.5
1050	19.8	-26.4	-14.5	-12.5	1.2	0.8	20.2	0.4	36.3
1100	19.5	-26.1	-14.6	-12.5	1.2	0.8	20.2	0.4	36.0
1150	19.1	-25.8	-14.8	-12.5	1.2	0.8	20.3	0.4	35.8
1200	18.8	-25.4	-14.8	-12.4	1.2	0.8	20.2	0.4	35.5
1250	18.5	-25.2	-15.0	-12.4	1.2	0.8	20.4	0.4	36.3
1300	18.2	-24.8	-15.0	-12.4	1.2	0.8	20.7	0.4	37.0
1350	17.9	-24.6	-15.1	-12.4	1.2	0.8	20.2	0.4	36.7
1400	17.6	-24.3	-15.2	-12.4	1.2	0.8	20.1	0.4	36.4
1450	17.3	-24.1	-15.3	-12.4	1.2	0.8	20.4	0.4	37.1
1500	17.1	-23.8	-15.3	-12.4	1.2	0.8	20.5	0.4	37.9
1550	16.8	-23.5	-15.4	-12.3	1.2	0.8	19.8	0.4	37.8
1600	16.5	-23.3	-15.4	-12.4	1.2	0.8	20.4	0.4	37.7
1650	16.3	-23.0	-15.4	-12.4	1.2	0.8	20.3	0.4	37.6
1700	16.1	-22.8	-15.4	-12.4	1.2	0.8	20.7	0.4	37.5
1750	15.8	-22.6	-15.5	-12.4	1.2	0.8	20.3	0.4	38.0
1800	15.6	-22.4	-15.5	-12.4	1.2	0.8	20.4	0.5	37.6
1850	15.4	-22.2	-15.5	-12.4	1.2	0.8	20.0	0.4	37.3
1900	15.2	-21.9	-15.4	-12.5	1.2	0.8	20.3	0.4	37.8
1950	15.0	-21.7	-15.4	-12.5	1.2	0.8	20.1	0.5	38.3
2000	14.8	-21.5	-15.4	-12.6	1.2	0.8	19.8	0.5	38.6
2100	14.4	-21.1	-15.3	-12.6	1.2	0.8	19.8	0.5	37.7
2200	14.0	-20.8	-15.1	-12.8	1.2	0.8	20.1	0.5	37.4
2300	13.7	-20.4	-14.9	-12.9	1.2	0.8	20.0	0.5	37.2
2400	13.3	-20.1	-14.8	-13.0	1.2	0.8	20.0	0.5	37.5
2500	13.0	-19.8	-14.5	-13.3	1.2	0.8	19.9	0.6	37.9
2600	12.7	-19.4	-14.2	-13.5	1.2	0.8	19.9	0.6	38.7
2700	12.3	-19.2	-14.0	-13.9	1.2	0.8	19.3	0.6	39.6
2800	12.0	-18.9	-13.6	-14.3	1.2	0.8	19.2	0.6	38.5
2900	11.7	-18.6	-13.1	-14.9	1.2	0.9	18.7	0.6	37.5
3000	11.5	-18.3	-12.8	-15.5	1.2	0.9	19.2	0.7	37.6
3100	11.3	-18.0	-12.6	-16.1	1.2	0.9	19.5	0.7	37.8
3200	11.0	-17.8	-12.3	-16.8	1.2	0.9	19.7	0.8	37.7
3300	10.7	-17.6	-11.7	-17.9	1.2	0.9	19.6	0.8	38.8
3400	10.5	-17.4	-11.2	-18.9	1.2	0.9	19.5	1.0	39.0
3500	10.3	-17.1	-10.8	-20.0	1.2	0.9	19.8	1.0	37.5
3600	10.1	-16.9	-10.4	-21.2	1.2	0.9	20.0	1.0	38.7
3700	9.9	-16.6	-10.1	-22.5	1.2	0.9	19.4	0.9	38.1
3800	9.7	-16.5	-9.8	-24.0	1.2	0.9	19.8	0.9	37.3
3900	9.5	-16.3	-9.5	-25.6	1.2	0.9	19.4	0.9	38.3
4000	9.2	-16.1	-9.2	-27.7	1.2	0.9	19.7	1.0	38.2

*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 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 72 mA, $I_{SHUTDOWN}$ = 0.0014 µA @ 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)
10	29.2	-35.2	-8.6	-22.9	1.1	0.9	22.3	1.0	30.8
20	29.1	-33.4	-8.5	-29.9	1.0	0.8	21.6	0.3	34.9
30	29.1	-34.4	-8.9	-28.3	1.1	0.8	21.5	0.3	33.8
40	29.0	-34.0	-8.9	-25.5	1.1	0.8	21.5	0.4	33.7
50	29.0	-34.2	-8.8	-24.4	1.1	0.8	21.4	0.3	34.0
60	29.0	-34.1	-8.9	-22.7	1.1	0.8	21.4	0.3	34.9
70	28.9	-33.9	-8.9	-21.8	1.1	0.8	21.3	0.4	33.8
80	28.9	-33.8	-9.0	-21.5	1.1	0.8	21.4	0.4	33.3
90	28.9	-33.9	-9.1	-20.4	1.1	0.8	21.4	0.4	34.5
100	28.8	-33.7	-9.1	-19.9	1.1	0.8	21.3	0.4	34.4
200	28.1	-33.3	-9.7	-16.8	1.1	0.7	21.3	0.4	33.5
250	27.5	-33.1	-10.0	-15.7	1.2	0.7	21.2	0.4	34.4
300	27.0	-32.8	-10.4	-15.1	1.2	0.7	21.2	0.4	35.3
350	26.4	-32.3	-10.9	-14.5	1.2	0.7	21.2	0.4	34.4
400	25.9	-31.8	-11.3	-14.0	1.2	0.7	21.0	0.4	33.7
450	25.3	-31.7	-11.7	-13.8	1.2	0.8	20.7	0.4	35.6
500	24.7	-30.9	-12.1	-13.5	1.2	0.7	20.9	0.4	35.7
550	24.2	-30.5	-12.5	-13.3	1.2	0.8	20.8	0.4	35.0
600	23.7	-30.0	-12.8	-13.1	1.2	0.8	20.6	0.4	35.7
650	23.2	-29.7	-13.1	-13.0	1.2	0.8	20.7	0.4	36.3
700	22.7	-29.2	-13.4	-12.8	1.2	0.8	20.7	0.4	36.2
750	22.3	-28.8	-13.6	-12.7	1.2	0.8	20.9	0.4	36.1
800	21.8	-28.4	-13.9	-12.6	1.2	0.8	20.5	0.4	36.5
850	21.4	-28.0	-14.1	-12.5	1.2	0.8	20.5	0.4	36.9
900	21.0	-27.6	-14.2	-12.5	1.2	0.8	20.6	0.4	37.6
950	20.6	-27.2	-14.5	-12.4	1.2	0.8	20.7	0.4	38.2
1000	20.2	-26.8	-14.6	-12.4	1.2	0.8	20.6	0.4	38.2
1050	19.9	-26.6	-14.7	-12.3	1.2	0.8	20.6	0.4	37.3
1100	19.5	-26.2	-14.9	-12.3	1.2	0.8	20.5	0.4	37.5
1150	19.2	-25.9	-15.0	-12.3	1.2	0.8	20.6	0.4	37.8
1200	18.9	-25.5	-15.1	-12.2	1.2	0.8	20.6	0.4	37.5
1250	18.5	-25.2	-15.2	-12.2	1.2	0.8	20.7	0.4	37.0
1300	18.3	-24.9	-15.3	-12.2	1.2	0.8	21.0	0.4	36.6
1350	18.0	-24.7	-15.4	-12.2	1.2	0.8	20.5	0.4	38.1
1400	17.7	-24.4	-15.5	-12.2	1.2	0.8	20.4	0.4	37.7
1450	17.4	-24.1	-15.6	-12.2	1.2	0.8	20.7	0.4	37.4
1500	17.1	-23.8	-15.5	-12.2	1.2	0.8	20.7	0.4	37.0
1550	16.9	-23.6	-15.6	-12.1	1.2	0.8	20.1	0.4	36.9
1600	16.6	-23.4	-15.7	-12.2	1.2	0.8	20.7	0.5	36.8
1650	16.4	-23.1	-15.6	-12.2	1.2	0.8	20.6	0.4	38.8
1700	16.1	-22.9	-15.7	-12.2	1.2	0.8	21.0	0.4	38.4
1750	15.9	-22.7	-15.7	-12.2	1.2	0.8	20.6	0.4	37.9
1800	15.7	-22.4	-15.7	-12.2	1.2	0.8	20.7	0.4	38.5
1850	15.4	-22.2	-15.7	-12.2	1.2	0.8	20.3	0.4	39.1
1900	15.2	-22.0	-15.6	-12.3	1.2	0.8	20.6	0.4	37.8
1950	15.0	-21.8	-15.7	-12.3	1.2	0.8	20.4	0.5	38.5
2000	14.8	-21.6	-15.6	-12.3	1.2	0.8	20.0	0.5	39.2
2100	14.4	-21.2	-15.5	-12.4	1.2	0.8	20.1	0.5	39.8
2200	14.1	-20.8	-15.3	-12.5	1.2	0.8	20.4	0.5	39.2
2300	13.7	-20.5	-15.1	-12.6	1.2	0.8	20.3	0.5	38.6
2400	13.4	-20.2	-14.9	-12.8	1.2	0.8	20.3	0.5	38.2
2500	13.0	-19.8	-14.8	-13.0	1.2	0.8	20.2	0.6	39.2
2600	12.7	-19.5	-14.4	-13.3	1.2	0.8	20.2	0.6	40.2
2700	12.4	-19.2	-14.2	-13.6	1.2	0.8	19.6	0.7	38.8
2800	12.1	-19.0	-13.8	-14.0	1.2	0.8	19.5	0.7	37.4
2900	11.8	-18.7	-13.3	-14.6	1.2	0.9	19.0	0.7	37.8
3000	11.6	-18.4	-12.9	-15.2	1.2	0.9	19.5	0.7	38.2
3100	11.3	-18.1	-12.8	-15.8	1.2	0.9	19.8	0.7	38.1
3200	11.0	-17.9	-12.4	-16.5	1.2	0.9	20.0	0.8	38.9
3300	10.8	-17.7	-11.9	-17.5	1.2	0.9	19.9	0.8	39.6
3400	10.5	-17.4	-11.3	-18.4	1.2	0.9	19.7	0.8	38.2
3500	10.3	-17.2	-10.9	-19.5	1.2	0.9	20.1	0.9	39.2
3600	10.1	-16.9	-10.5	-20.6	1.2	0.9	20.3	0.9	39.9
3700	9.9	-16.7	-10.2	-21.8	1.2	0.9	19.6	1.0	38.9
3800	9.7	-16.5	-9.9	-23.1	1.2	0.9	20.1	0.8	38.4
3900	9.5	-16.3	-9.6	-24.8	1.2	0.9	19.7	0.9	38.9
4000	9.3	-16.2	-9.3	-26.7	1.2	0.9	19.9	1.0	38.6

*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} = +5.25 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 76 mA, $I_{SHUTDOWN}$ = 0.0014 µA @ 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)
10	29.3	-35.3	-8.8	-23.3	1.1	0.9	22.7	1.0	34.3
20	29.2	-34.3	-8.9	-33.8	1.1	0.8	22.1	0.3	33.5
30	29.2	-34.1	-9.0	-28.8	1.1	0.8	22.1	0.3	36.6
40	29.1	-34.1	-9.0	-26.1	1.1	0.8	22.0	0.4	34.5
50	29.1	-34.0	-9.0	-24.7	1.1	0.8	21.9	0.3	33.3
60	29.1	-34.0	-9.1	-22.9	1.1	0.8	21.9	0.3	34.3
70	29.0	-33.9	-9.0	-22.1	1.1	0.8	21.8	0.5	34.3
80	29.1	-33.8	-9.2	-21.7	1.1	0.8	21.9	0.4	33.4
90	29.0	-34.0	-9.3	-20.6	1.1	0.8	21.9	0.4	37.3
100	28.9	-33.9	-9.3	-20.1	1.1	0.8	21.9	0.4	34.8
200	28.2	-33.5	-9.9	-16.7	1.1	0.7	21.8	0.4	35.3
250	27.6	-33.3	-10.2	-15.7	1.2	0.7	21.7	0.4	35.4
300	27.1	-32.7	-10.6	-15.0	1.2	0.7	21.6	0.4	34.3
350	26.5	-32.4	-11.1	-14.3	1.2	0.7	21.6	0.4	34.8
400	26.0	-31.9	-11.5	-13.9	1.2	0.7	21.4	0.4	34.6
450	25.4	-31.5	-11.9	-13.6	1.2	0.7	21.0	0.4	34.5
500	24.8	-31.0	-12.3	-13.4	1.2	0.7	21.2	0.4	35.5
550	24.3	-30.6	-12.7	-13.2	1.2	0.7	21.1	0.4	36.5
600	23.8	-30.2	-13.1	-12.9	1.2	0.8	20.9	0.4	36.0
650	23.3	-29.8	-13.3	-12.8	1.2	0.8	21.1	0.4	35.4
700	22.8	-29.3	-13.6	-12.7	1.2	0.8	21.0	0.4	35.5
750	22.3	-28.9	-13.8	-12.6	1.2	0.8	21.2	0.4	35.6
800	21.9	-28.5	-14.1	-12.5	1.2	0.8	20.8	0.4	36.5
850	21.5	-28.0	-14.3	-12.4	1.2	0.8	20.8	0.4	37.5
900	21.1	-27.7	-14.5	-12.3	1.2	0.8	20.8	0.4	37.5
950	20.7	-27.3	-14.7	-12.2	1.2	0.8	20.9	0.4	37.5
1000	20.3	-26.9	-14.8	-12.2	1.2	0.8	20.8	0.4	37.5
1050	19.9	-26.6	-14.9	-12.2	1.2	0.8	20.9	0.4	37.5
1100	19.6	-26.2	-15.1	-12.1	1.2	0.8	20.8	0.4	37.4
1150	19.2	-25.9	-15.2	-12.1	1.2	0.8	20.9	0.4	37.3
1200	18.9	-25.6	-15.3	-12.0	1.2	0.8	20.9	0.4	37.1
1250	18.6	-25.3	-15.5	-12.1	1.2	0.8	21.0	0.4	36.9
1300	18.3	-25.0	-15.5	-12.0	1.2	0.8	21.2	0.4	37.6
1350	18.0	-24.8	-15.6	-12.0	1.2	0.8	20.8	0.4	38.3
1400	17.7	-24.5	-15.7	-12.0	1.2	0.8	20.7	0.4	37.8
1450	17.4	-24.2	-15.8	-12.0	1.2	0.8	21.0	0.5	37.3
1500	17.2	-23.9	-15.7	-12.0	1.2	0.8	21.1	0.5	38.2
1550	16.9	-23.7	-15.8	-12.0	1.2	0.8	20.3	0.4	39.2
1600	16.7	-23.4	-15.9	-12.0	1.2	0.8	21.1	0.4	38.1
1650	16.4	-23.2	-15.8	-12.0	1.2	0.8	20.8	0.4	37.1
1700	16.2	-23.0	-15.9	-12.0	1.2	0.8	21.3	0.5	38.1
1750	15.9	-22.8	-15.9	-12.0	1.2	0.8	20.9	0.4	38.2
1800	15.7	-22.5	-15.9	-12.0	1.2	0.8	20.9	0.5	38.3
1850	15.5	-22.3	-15.9	-12.0	1.2	0.8	20.6	0.5	38.6
1900	15.3	-22.1	-15.8	-12.1	1.2	0.8	20.9	0.5	39.0
1950	15.1	-21.9	-15.9	-12.1	1.2	0.8	20.7	0.6	40.4
2000	14.9	-21.7	-15.8	-12.2	1.2	0.8	20.3	0.5	40.5
2100	14.5	-21.3	-15.7	-12.2	1.2	0.8	20.4	0.5	40.6
2200	14.1	-20.9	-15.6	-12.4	1.2	0.8	20.7	0.6	39.4
2300	13.8	-20.6	-15.3	-12.5	1.2	0.8	20.6	0.5	39.1
2400	13.4	-20.3	-15.1	-12.6	1.2	0.8	20.6	0.5	38.8
2500	13.1	-19.9	-14.9	-12.8	1.2	0.8	20.5	0.6	38.9
2600	12.8	-19.6	-14.6	-13.1	1.2	0.8	20.4	0.6	39.0
2700	12.5	-19.3	-14.3	-13.4	1.2	0.8	19.8	0.6	38.7
2800	12.1	-19.0	-13.9	-13.8	1.2	0.8	19.8	0.6	38.3
2900	11.9	-18.8	-13.4	-14.4	1.2	0.8	19.3	0.7	39.5
3000	11.6	-18.4	-13.1	-15.0	1.2	0.9	19.8	0.7	40.7
3100	11.4	-18.2	-12.9	-15.5	1.2	0.9	20.1	0.7	39.5
3200	11.1	-18.0	-12.5	-16.2	1.2	0.9	20.2	0.8	38.4
3300	10.8	-17.8	-12.0	-17.1	1.2	0.9	20.1	0.8	37.9
3400	10.6	-17.5	-11.4	-18.1	1.2	0.9	20.0	0.9	40.8
3500	10.4	-17.2	-11.0	-19.0	1.2	0.9	20.3	1.0	40.1
3600	10.2	-17.0	-10.6	-20.1	1.2	0.9	20.5	1.1	41.0
3700	10.0	-16.8	-10.3	-21.3	1.2	0.9	19.9	0.9	40.8
3800	9.8	-16.6	-10.0	-22.6	1.2	0.9	20.3	0.9	40.1
3900	9.6	-16.4	-9.7	-24.1	1.2	0.9	19.9	0.9	39.1
4000	9.4	-16.2	-9.4	-25.9	1.2	0.9	20.2	1.0	40.5

*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 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 73 mA, $I_{SHUTDOWN}$ = 0.0014 µA @ Temperature = -45°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)
10	30.0	-34.5	-10.7	-24.4	1.1	0.7	22.2	1.1	33.2
20	30.0	-34.9	-10.5	-23.0	1.1	0.8	22.3	0.2	36.4
30	30.0	-34.2	-10.4	-24.4	1.0	0.7	22.0	0.2	34.6
40	30.0	-34.3	-10.5	-24.2	1.0	0.7	21.5	0.2	35.1
50	30.0	-34.5	-10.5	-24.0	1.1	0.7	21.7	0.2	35.2
60	30.0	-34.2	-10.6	-23.2	1.0	0.7	21.5	0.3	35.8
70	29.9	-34.1	-10.6	-23.1	1.0	0.7	21.6	0.3	35.2
80	29.9	-33.7	-10.7	-22.5	1.0	0.7	21.5	0.2	35.8
90	29.8	-33.9	-10.7	-21.9	1.1	0.7	21.6	0.3	34.3
100	29.8	-33.7	-10.7	-21.5	1.0	0.7	21.6	0.3	35.3
200	28.9	-33.1	-11.3	-17.7	1.1	0.6	21.7	0.3	35.3
250	28.4	-33.1	-11.7	-16.6	1.1	0.7	21.6	0.2	35.8
300	27.9	-32.9	-12.1	-15.8	1.1	0.7	21.6	0.3	36.1
350	27.3	-32.1	-12.5	-15.2	1.1	0.7	22.0	0.3	36.1
400	26.7	-32.0	-12.8	-14.7	1.2	0.7	22.0	0.2	36.5
450	26.1	-31.4	-13.1	-14.3	1.2	0.7	21.7	0.3	36.1
500	25.5	-31.0	-13.4	-14.1	1.2	0.7	21.8	0.2	36.1
550	25.0	-30.5	-13.7	-13.9	1.2	0.7	21.8	0.2	36.9
600	24.5	-30.0	-13.9	-13.6	1.2	0.7	21.7	0.2	37.7
650	24.0	-29.6	-14.1	-13.6	1.2	0.7	21.9	0.2	37.3
700	23.5	-29.2	-14.2	-13.4	1.2	0.7	21.9	0.2	36.5
750	23.0	-28.7	-14.4	-13.3	1.2	0.7	22.1	0.3	37.2
800	22.6	-28.3	-14.5	-13.2	1.2	0.7	21.6	0.2	37.9
850	22.1	-27.9	-14.6	-13.1	1.2	0.7	21.7	0.3	38.1
900	21.7	-27.6	-14.7	-13.0	1.2	0.7	21.8	0.2	38.4
950	21.3	-27.1	-14.8	-13.0	1.2	0.7	21.9	0.2	38.9
1000	20.9	-26.8	-14.9	-12.9	1.2	0.7	21.9	0.2	38.7
1050	20.6	-26.5	-15.0	-12.9	1.2	0.7	21.9	0.2	38.6
1100	20.2	-26.1	-15.1	-12.8	1.2	0.7	21.8	0.2	37.6
1150	19.9	-25.8	-15.1	-12.7	1.2	0.7	21.8	0.2	38.0
1200	19.6	-25.4	-15.2	-12.7	1.2	0.7	21.8	0.2	38.4
1250	19.2	-25.1	-15.3	-12.6	1.2	0.7	21.9	0.2	38.5
1300	18.9	-24.9	-15.4	-12.6	1.2	0.7	22.2	0.3	38.7
1350	18.6	-24.6	-15.5	-12.5	1.2	0.7	21.8	0.2	38.8
1400	18.3	-24.3	-15.6	-12.5	1.2	0.7	21.7	0.3	38.9
1450	18.1	-24.0	-15.6	-12.4	1.2	0.7	21.9	0.3	39.2
1500	17.8	-23.8	-15.7	-12.4	1.2	0.7	22.0	0.3	39.6
1550	17.5	-23.5	-15.7	-12.3	1.2	0.7	21.3	0.2	39.0
1600	17.3	-23.3	-15.8	-12.3	1.2	0.7	22.0	0.2	38.4
1650	17.0	-23.0	-15.9	-12.3	1.2	0.8	21.8	0.2	38.7
1700	16.8	-22.7	-15.9	-12.3	1.2	0.7	22.2	0.3	38.9
1750	16.6	-22.6	-15.9	-12.2	1.2	0.8	21.8	0.3	38.9
1800	16.3	-22.3	-15.9	-12.2	1.2	0.8	21.9	0.3	38.9
1850	16.1	-22.1	-15.9	-12.2	1.2	0.8	21.5	0.3	39.2
1900	15.9	-21.9	-15.9	-12.2	1.2	0.8	21.8	0.3	39.4
1950	15.7	-21.7	-15.9	-12.2	1.2	0.8	21.6	0.2	40.2
2000	15.5	-21.5	-15.9	-12.2	1.2	0.8	21.2	0.2	38.4
2100	15.1	-21.1	-15.7	-12.3	1.2	0.8	21.2	0.3	40.1
2200	14.7	-20.7	-15.5	-12.4	1.2	0.8	21.4	0.3	40.8
2300	14.3	-20.4	-15.2	-12.5	1.2	0.8	21.4	0.3	41.5
2400	14.0	-20.1	-14.9	-12.6	1.2	0.8	21.4	0.3	41.1
2500	13.6	-19.8	-14.6	-12.9	1.2	0.8	21.4	0.4	40.4
2600	13.3	-19.4	-14.2	-13.1	1.2	0.8	21.3	0.4	39.7
2700	13.0	-19.2	-13.9	-13.3	1.2	0.8	20.6	0.4	39.8
2800	12.6	-18.9	-13.4	-13.7	1.2	0.8	20.0	0.4	40.0
2900	12.4	-18.6	-13.1	-14.4	1.2	0.8	20.5	0.4	40.6
3000	12.2	-18.3	-12.9	-14.8	1.2	0.8	21.0	0.4	41.1
3100	12.0	-18.0	-12.9	-15.2	1.2	0.8	21.1	0.4	40.5
3200	11.7	-17.8	-12.6	-15.7	1.2	0.8	21.1	0.5	40.0
3300	11.4	-17.6	-12.1	-16.5	1.2	0.8	21.0	0.5	39.5
3400	11.1	-17.4	-11.6	-17.5	1.2	0.9	20.9	0.5	41.9
3500	10.9	-17.1	-11.1	-18.4	1.2	0.9	21.0	0.6	41.3
3600	10.7	-16.9	-10.8	-19.3	1.2	0.9	21.2	0.7	41.1
3700	10.5	-16.6	-10.4	-20.3	1.2	0.9	20.7	0.5	39.8
3800	10.3	-16.4	-10.1	-21.4	1.2	0.9	21.3	0.5	41.2
3900	10.1	-16.2	-9.8	-22.7	1.1	0.9	20.8	0.6	40.7
4000	9.9	-16.1	-9.5	-24.0	1.1	0.9	20.9	0.6	39.7

*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 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 72 mA, $I_{SHUTDOWN}$ = 0.0014 µA @ Temperature = +105°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)
10	28.7	-34.5	-7.8	-19.9	1.1	0.9	21.2	1.2	33.2
20	28.6	-33.9	-7.9	-21.7	1.1	0.8	20.7	0.6	37.9
30	28.5	-33.3	-8.0	-20.1	1.1	0.8	20.8	0.5	33.5
40	28.4	-33.8	-8.0	-19.1	1.1	0.8	20.8	0.5	32.0
50	28.4	-33.2	-8.0	-18.9	1.1	0.8	20.9	0.5	33.9
60	28.4	-33.3	-8.1	-18.3	1.1	0.8	20.9	0.4	32.9
70	28.3	-33.6	-8.1	-18.0	1.1	0.8	20.9	0.6	32.9
80	28.3	-33.3	-8.2	-18.0	1.1	0.8	20.9	0.6	31.9
90	28.2	-33.1	-8.2	-17.2	1.1	0.8	20.9	0.6	34.1
100	28.2	-33.3	-8.2	-17.1	1.1	0.8	20.9	0.5	33.6
200	27.5	-33.0	-8.8	-15.5	1.1	0.8	20.7	0.5	34.0
250	27.0	-33.0	-9.2	-14.9	1.2	0.8	20.3	0.5	34.1
300	26.5	-32.3	-9.6	-14.5	1.2	0.8	20.2	0.5	33.9
350	25.9	-32.1	-10.0	-13.9	1.2	0.8	20.2	0.6	34.6
400	25.4	-31.7	-10.4	-13.7	1.2	0.8	19.9	0.6	34.2
450	24.8	-31.3	-10.8	-13.4	1.2	0.8	19.6	0.6	35.1
500	24.3	-30.8	-11.1	-13.3	1.2	0.8	19.8	0.5	34.6
550	23.8	-30.3	-11.5	-13.2	1.2	0.8	19.7	0.5	34.1
600	23.3	-29.8	-11.9	-12.9	1.2	0.8	19.4	0.5	35.2
650	22.8	-29.5	-12.1	-12.9	1.2	0.8	19.6	0.5	36.4
700	22.3	-29.1	-12.4	-12.8	1.2	0.8	19.5	0.5	35.8
750	21.9	-28.6	-12.6	-12.7	1.2	0.8	19.8	0.6	35.3
800	21.5	-28.2	-12.8	-12.6	1.2	0.8	19.4	0.6	35.4
850	21.0	-27.9	-13.0	-12.5	1.2	0.8	19.4	0.6	35.6
900	20.6	-27.5	-13.2	-12.5	1.2	0.8	19.4	0.6	35.4
950	20.2	-27.1	-13.4	-12.4	1.2	0.8	19.5	0.6	35.2
1000	19.9	-26.7	-13.5	-12.4	1.2	0.8	19.5	0.6	35.9
1050	19.5	-26.4	-13.7	-12.4	1.2	0.8	19.4	0.6	36.5
1100	19.2	-26.1	-13.9	-12.4	1.2	0.8	19.4	0.6	34.8
1150	18.9	-25.8	-14.0	-12.4	1.2	0.8	19.5	0.6	35.6
1200	18.5	-25.5	-14.0	-12.3	1.2	0.8	19.4	0.6	36.4
1250	18.2	-25.2	-14.2	-12.3	1.2	0.8	19.5	0.6	36.0
1300	17.9	-24.9	-14.2	-12.3	1.2	0.8	19.8	0.6	35.6
1350	17.6	-24.6	-14.4	-12.3	1.2	0.8	19.4	0.6	35.9
1400	17.3	-24.4	-14.4	-12.3	1.2	0.8	19.3	0.6	36.2
1450	17.1	-24.1	-14.6	-12.3	1.2	0.8	19.6	0.6	36.8
1500	16.8	-23.8	-14.5	-12.3	1.2	0.8	19.6	0.6	37.4
1550	16.5	-23.6	-14.6	-12.3	1.2	0.8	18.9	0.6	37.3
1600	16.3	-23.3	-14.7	-12.4	1.2	0.8	19.6	0.6	37.2
1650	16.0	-23.1	-14.7	-12.3	1.2	0.8	19.4	0.6	36.7
1700	15.8	-22.8	-14.7	-12.3	1.2	0.8	19.9	0.7	36.2
1750	15.6	-22.6	-14.8	-12.4	1.2	0.8	19.4	0.7	36.3
1800	15.4	-22.4	-14.7	-12.4	1.2	0.8	19.5	0.7	36.4
1850	15.1	-22.2	-14.8	-12.4	1.2	0.8	19.2	0.7	37.0
1900	14.9	-22.0	-14.7	-12.4	1.2	0.8	19.5	0.7	37.7
1950	14.7	-21.8	-14.7	-12.5	1.3	0.8	19.3	0.7	38.0
2000	14.5	-21.6	-14.7	-12.5	1.3	0.8	19.0	0.7	38.3
2100	14.1	-21.2	-14.6	-12.6	1.3	0.8	19.0	0.8	37.8
2200	13.8	-20.9	-14.4	-12.7	1.3	0.8	19.3	0.7	37.3
2300	13.4	-20.5	-14.2	-12.8	1.3	0.8	19.2	0.7	36.8
2400	13.0	-20.2	-14.1	-12.9	1.3	0.8	19.1	0.7	36.4
2500	12.7	-19.8	-14.0	-13.0	1.3	0.8	19.1	0.8	36.5
2600	12.4	-19.5	-13.7	-13.2	1.3	0.8	19.1	0.9	36.5
2700	12.1	-19.3	-13.5	-13.5	1.3	0.9	18.6	0.9	36.3
2800	11.8	-19.0	-13.1	-13.8	1.3	0.9	18.3	1.0	36.1
2900	11.5	-18.7	-12.8	-14.4	1.3	0.9	18.1	1.0	35.9
3000	11.3	-18.4	-12.6	-14.9	1.3	0.9	18.5	1.0	35.8
3100	11.0	-18.2	-12.4	-15.4	1.3	0.9	18.8	1.0	36.7
3200	10.7	-18.0	-12.1	-15.9	1.3	0.9	18.9	1.2	37.7
3300	10.5	-17.7	-11.6	-16.8	1.3	0.9	18.8	1.2	37.4
3400	10.2	-17.5	-11.1	-17.7	1.3	0.9	18.7	1.2	36.5
3500	10.0	-17.2	-10.7	-18.6	1.3	0.9	19.0	1.4	37.6
3600	9.8	-17.0	-10.3	-19.6	1.3	0.9	19.2	1.5	37.5
3700	9.7	-16.8	-10.0	-20.8	1.3	0.9	18.6	1.3	37.1
3800	9.4	-16.6	-9.7	-22.1	1.3	1.0	19.0	1.3	37.7
3900	9.2	-16.4	-9.3	-23.9	1.3	1.0	18.6	1.3	37.2
4000	9.0	-16.2	-9.1	-25.8	1.3	1.0	18.8	1.3	36.6

*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 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 44 mA, $I_{SHUTDOWN}$ = 0.0014 µA, RI_{ADJ} = 200Ω @ 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)
10	27.9	-35.2	-7.5	-15.8	1.2	0.9	21.6	3.8	30.4
20	28.0	-32.8	-7.3	-17.4	1.0	0.8	20.9	1.5	30.5
30	28.0	-33.8	-7.5	-18.0	1.1	0.8	20.9	1.9	30.1
40	28.0	-33.2	-7.5	-17.2	1.1	0.8	21.0	0.9	29.6
50	28.0	-33.3	-7.5	-17.3	1.1	0.8	20.8	2.3	29.9
60	28.0	-32.8	-7.6	-16.9	1.1	0.8	20.9	1.3	29.5
70	27.9	-33.2	-7.6	-16.4	1.1	0.8	20.8	0.8	29.6
80	27.9	-33.2	-7.7	-16.1	1.1	0.8	20.9	0.7	29.3
90	27.9	-33.0	-7.6	-16.0	1.1	0.8	20.7	0.7	29.6
100	27.8	-32.9	-7.6	-15.6	1.1	0.8	20.7	0.4	29.9
200	27.1	-32.7	-8.1	-14.4	1.1	0.8	19.9	0.3	29.6
250	26.7	-32.4	-8.5	-13.9	1.1	0.8	19.7	0.3	29.8
300	26.2	-32.1	-9.0	-13.3	1.1	0.8	19.2	0.2	29.7
350	25.7	-31.9	-9.3	-13.3	1.2	0.8	19.8	0.4	29.7
400	25.1	-31.5	-9.7	-12.8	1.2	0.8	19.7	0.2	30.2
450	24.7	-31.0	-10.1	-12.9	1.2	0.8	19.4	0.3	31.0
500	24.1	-30.7	-10.4	-12.6	1.2	0.8	19.5	0.3	30.8
550	23.6	-30.2	-10.8	-12.5	1.2	0.8	19.5	0.2	31.0
600	23.1	-29.8	-11.0	-12.3	1.2	0.8	19.5	0.2	31.3
650	22.7	-29.4	-11.4	-12.2	1.2	0.8	19.9	0.3	31.0
700	22.2	-29.1	-11.7	-12.2	1.2	0.8	19.8	0.3	31.1
750	21.8	-28.7	-12.0	-12.0	1.2	0.8	20.0	0.2	31.0
800	21.3	-28.3	-12.2	-12.1	1.2	0.8	19.7	0.3	31.3
850	20.9	-27.9	-12.4	-11.9	1.2	0.8	19.8	0.2	31.1
900	20.5	-27.6	-12.6	-12.0	1.2	0.8	19.8	0.2	31.4
950	20.1	-27.2	-12.8	-11.9	1.2	0.8	20.0	0.3	31.4
1000	19.7	-26.9	-13.0	-11.9	1.2	0.8	19.8	0.2	31.3
1050	19.4	-26.6	-13.2	-11.8	1.2	0.8	20.0	0.2	31.5
1100	19.1	-26.3	-13.3	-11.8	1.2	0.8	19.9	0.2	31.5
1150	18.7	-26.0	-13.4	-11.8	1.2	0.8	20.1	0.2	31.3
1200	18.4	-25.6	-13.6	-11.9	1.2	0.8	20.0	0.3	31.3
1250	18.1	-25.3	-13.7	-11.8	1.2	0.8	20.2	0.3	31.2
1300	17.8	-25.1	-13.8	-11.8	1.2	0.8	20.4	0.3	31.4
1350	17.5	-24.8	-13.9	-11.8	1.2	0.8	19.9	0.3	31.6
1400	17.2	-24.5	-14.0	-11.8	1.2	0.8	19.9	0.3	32.3
1450	17.0	-24.2	-14.0	-11.8	1.2	0.8	20.2	0.3	31.8
1500	16.7	-24.0	-14.1	-11.8	1.2	0.8	20.3	0.3	31.8
1550	16.5	-23.8	-14.1	-11.8	1.2	0.8	19.5	0.3	32.7
1600	16.2	-23.5	-14.2	-11.7	1.2	0.8	20.3	0.2	32.2
1650	16.0	-23.3	-14.2	-11.8	1.2	0.8	20.1	0.3	32.5
1700	15.7	-23.0	-14.3	-11.8	1.2	0.8	20.6	0.3	32.6
1750	15.5	-22.8	-14.3	-11.8	1.2	0.8	20.1	0.3	32.5
1800	15.3	-22.6	-14.3	-11.8	1.3	0.8	20.2	0.3	32.3
1850	15.1	-22.4	-14.2	-11.9	1.2	0.8	19.8	0.5	33.2
1900	14.9	-22.2	-14.3	-12.0	1.3	0.8	20.2	0.2	32.9
1950	14.7	-22.0	-14.3	-11.9	1.2	0.8	20.0	0.2	33.0
2000	14.5	-21.8	-14.2	-12.0	1.2	0.8	19.6	0.3	33.1
2100	14.1	-21.4	-14.2	-12.1	1.3	0.8	19.8	0.3	32.9
2200	13.7	-21.1	-14.2	-12.2	1.3	0.8	20.1	0.3	33.0
2300	13.3	-20.7	-14.1	-12.3	1.3	0.8	19.9	0.3	33.0
2400	13.0	-20.4	-13.8	-12.5	1.3	0.8	20.1	0.4	32.7
2500	12.7	-20.0	-13.7	-12.7	1.3	0.8	19.9	0.4	32.5
2600	12.4	-19.7	-13.4	-12.9	1.3	0.9	20.0	0.5	32.5
2700	12.0	-19.5	-13.2	-13.2	1.3	0.9	19.2	0.5	32.7
2800	11.7	-19.3	-12.8	-13.6	1.3	0.9	18.7	0.5	32.2
2900	11.4	-18.9	-12.4	-14.2	1.3	0.9	18.8	0.5	32.8
3000	11.2	-18.6	-12.2	-14.7	1.3	0.9	19.5	0.5	32.9
3100	10.9	-18.4	-11.9	-15.2	1.3	0.9	19.7	0.5	32.7
3200	10.7	-18.1	-11.5	-15.6	1.3	0.9	19.7	0.6	32.8
3300	10.4	-17.9	-11.1	-16.5	1.3	0.9	19.6	0.7	32.8
3400	10.2	-17.7	-10.8	-17.3	1.3	0.9	19.5	0.7	32.6
3500	10.0	-17.4	-10.4	-18.0	1.3	0.9	19.8	0.7	33.1
3600	9.8	-17.2	-10.0	-19.0	1.3	0.9	19.9	0.7	33.0
3700	9.6	-17.0	-9.7	-20.0	1.3	1.0	19.1	0.7	33.4
3800	9.4	-16.8	-9.5	-21.1	1.3	1.0	19.7	0.8	32.9
3900	9.1	-16.6	-9.2	-22.2	1.3	1.0	19.3	0.8	33.2
4000	8.9	-16.4	-9.0	-23.6	1.3	1.0	19.6	0.7	32.5

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 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 49 mA, $I_{SHUTDOWN}$ = 0.0014 µA, RI_{ADJ} = 430Ω @ 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)
10	28.1	-33.5	-7.6	-16.4	1.1	0.8	21.7	3.7	31.2
20	28.2	-34.4	-7.8	-19.8	1.1	0.9	21.0	1.4	30.8
30	28.3	-33.2	-7.7	-19.3	1.1	0.8	21.0	1.4	29.9
40	28.2	-34.0	-7.8	-18.8	1.1	0.8	20.9	0.7	30.3
50	28.2	-33.4	-7.8	-18.6	1.1	0.8	20.9	2.1	30.8
60	28.2	-33.2	-7.9	-18.2	1.1	0.8	20.9	1.2	31.3
70	28.2	-33.2	-7.9	-17.7	1.1	0.8	20.8	0.7	30.8
80	28.1	-33.2	-8.0	-17.2	1.1	0.8	21.0	0.6	29.8
90	28.1	-33.3	-7.9	-17.1	1.1	0.8	20.8	0.8	29.9
100	28.0	-33.1	-8.0	-16.6	1.1	0.8	20.7	0.4	30.4
200	27.4	-32.6	-8.5	-15.0	1.1	0.7	19.9	0.3	30.4
250	26.9	-32.7	-8.9	-14.5	1.1	0.8	19.9	0.4	30.9
300	26.4	-32.3	-9.4	-13.7	1.2	0.8	19.7	0.3	30.7
350	25.9	-32.0	-9.6	-13.6	1.2	0.8	19.8	0.4	31.0
400	25.3	-31.6	-10.1	-13.1	1.2	0.8	19.9	0.3	30.4
450	24.8	-31.1	-10.5	-13.1	1.2	0.8	19.5	0.3	31.3
500	24.2	-30.7	-10.8	-12.8	1.2	0.8	19.6	0.2	31.8
550	23.8	-30.3	-11.2	-12.7	1.2	0.8	19.6	0.3	31.8
600	23.3	-29.9	-11.4	-12.5	1.2	0.8	19.7	0.2	32.3
650	22.8	-29.6	-11.8	-12.5	1.2	0.8	20.0	0.2	31.9
700	22.3	-29.2	-12.1	-12.4	1.2	0.8	19.9	0.2	32.2
750	21.9	-28.7	-12.4	-12.2	1.2	0.8	20.1	0.2	31.6
800	21.5	-28.3	-12.6	-12.3	1.2	0.8	19.8	0.2	32.2
850	21.0	-28.0	-12.8	-12.1	1.2	0.8	19.8	0.2	32.3
900	20.6	-27.6	-13.0	-12.1	1.2	0.8	19.8	0.3	32.4
950	20.3	-27.2	-13.2	-12.1	1.2	0.8	20.0	0.2	32.3
1000	19.8	-26.9	-13.4	-12.0	1.2	0.8	19.9	0.2	32.7
1050	19.5	-26.5	-13.6	-12.0	1.2	0.8	20.1	0.2	32.5
1100	19.2	-26.2	-13.7	-11.9	1.2	0.8	20.0	0.2	32.3
1150	18.8	-25.9	-13.8	-11.9	1.2	0.8	20.1	0.2	32.3
1200	18.5	-25.6	-13.9	-12.0	1.2	0.8	20.1	0.3	32.5
1250	18.2	-25.3	-14.0	-11.9	1.2	0.8	20.2	0.2	32.3
1300	17.9	-25.0	-14.1	-11.9	1.2	0.8	20.3	0.2	32.2
1350	17.6	-24.7	-14.2	-11.9	1.2	0.8	19.9	0.3	32.5
1400	17.3	-24.5	-14.3	-11.9	1.2	0.8	19.9	0.3	32.8
1450	17.1	-24.2	-14.4	-11.9	1.2	0.8	20.1	0.2	32.6
1500	16.8	-24.0	-14.4	-11.8	1.2	0.8	20.3	0.3	33.0
1550	16.5	-23.7	-14.5	-11.9	1.2	0.8	19.5	0.3	33.5
1600	16.3	-23.4	-14.6	-11.8	1.2	0.8	20.3	0.2	33.0
1650	16.1	-23.3	-14.6	-11.9	1.2	0.8	20.1	0.2	33.6
1700	15.8	-23.0	-14.6	-11.9	1.2	0.8	20.6	0.3	33.1
1750	15.6	-22.8	-14.6	-11.8	1.2	0.8	20.1	0.3	33.3
1800	15.4	-22.6	-14.7	-11.9	1.2	0.8	20.2	0.3	33.5
1850	15.2	-22.4	-14.5	-11.9	1.2	0.8	19.8	0.3	34.2
1900	15.0	-22.2	-14.6	-12.1	1.2	0.8	20.2	0.3	34.1
1950	14.8	-22.0	-14.6	-12.0	1.2	0.8	20.0	0.3	33.4
2000	14.6	-21.8	-14.6	-12.0	1.2	0.8	19.6	0.4	34.8
2100	14.1	-21.4	-14.6	-12.2	1.2	0.8	19.8	0.3	33.6
2200	13.8	-21.1	-14.5	-12.3	1.3	0.8	20.1	0.4	34.2
2300	13.4	-20.7	-14.4	-12.4	1.3	0.8	19.9	0.3	33.6
2400	13.1	-20.3	-14.1	-12.6	1.2	0.8	20.0	0.3	33.8
2500	12.8	-20.0	-13.9	-12.7	1.2	0.8	19.9	0.4	33.1
2600	12.4	-19.7	-13.7	-13.0	1.3	0.8	19.9	0.4	33.2
2700	12.1	-19.4	-13.5	-13.3	1.3	0.9	19.2	0.4	33.8
2800	11.8	-19.2	-13.0	-13.7	1.3	0.9	18.6	0.5	33.0
2900	11.5	-18.9	-12.6	-14.3	1.3	0.9	18.8	0.6	33.9
3000	11.3	-18.6	-12.4	-14.8	1.3	0.9	19.5	0.5	33.8
3100	11.0	-18.3	-12.1	-15.4	1.3	0.9	19.6	0.6	33.5
3200	10.8	-18.1	-11.7	-15.8	1.3	0.9	19.7	0.7	34.1
3300	10.5	-17.9	-11.3	-16.6	1.3	0.9	19.6	0.7	33.9
3400	10.3	-17.6	-10.9	-17.5	1.3	0.9	19.4	0.7	34.0
3500	10.1	-17.4	-10.5	-18.2	1.3	0.9	19.8	0.7	34.1
3600	9.8	-17.2	-10.2	-19.3	1.3	0.9	19.9	0.7	34.2
3700	9.6	-16.9	-9.8	-20.2	1.2	0.9	19.2	0.8	34.1
3800	9.4	-16.7	-9.6	-21.4	1.2	1.0	19.7	0.8	33.6
3900	9.2	-16.6	-9.4	-22.6	1.2	1.0	19.3	0.8	33.6
4000	9.0	-16.4	-9.1	-24.2	1.3	1.0	19.6	0.9	34.2

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 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 60 mA, $I_{SHUTDOWN}$ = 0.0014 µA, RI_{ADJ} = 1.5kΩ @ 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)
10	28.6	-35.2	-8.2	-19.6	1.2	0.9	21.8	3.7	33.5
20	28.7	-34.2	-8.2	-23.3	1.1	0.8	21.1	1.4	32.6
30	28.7	-34.2	-8.4	-23.4	1.1	0.8	21.2	1.7	32.1
40	28.7	-34.2	-8.3	-22.3	1.1	0.8	21.2	0.7	32.5
50	28.7	-33.6	-8.4	-21.7	1.1	0.8	21.0	2.2	32.2
60	28.7	-33.3	-8.5	-21.0	1.1	0.8	21.2	1.3	32.7
70	28.6	-33.4	-8.5	-20.1	1.1	0.8	21.1	0.7	32.1
80	28.6	-33.4	-8.6	-19.4	1.1	0.8	21.2	0.6	31.8
90	28.5	-33.2	-8.5	-19.0	1.1	0.7	21.0	0.7	32.0
100	28.5	-33.6	-8.6	-18.6	1.1	0.8	21.0	0.4	32.4
200	27.8	-33.1	-9.1	-16.1	1.1	0.7	20.7	0.3	31.8
250	27.3	-32.7	-9.5	-15.3	1.1	0.7	20.5	0.3	33.5
300	26.7	-32.5	-10.0	-14.4	1.2	0.7	20.4	0.2	32.8
350	26.2	-32.2	-10.3	-14.1	1.2	0.8	20.5	0.4	32.7
400	25.6	-31.9	-10.8	-13.6	1.2	0.8	20.4	0.3	32.8
450	25.1	-31.1	-11.1	-13.5	1.2	0.7	20.0	0.3	32.9
500	24.5	-31.0	-11.5	-13.2	1.2	0.8	20.1	0.2	33.3
550	24.0	-30.5	-11.9	-13.1	1.2	0.8	20.1	0.2	34.3
600	23.5	-30.1	-12.1	-12.9	1.2	0.8	20.1	0.2	33.7
650	23.0	-29.7	-12.5	-12.8	1.2	0.8	20.3	0.2	34.1
700	22.5	-29.3	-12.8	-12.7	1.2	0.8	20.2	0.1	34.2
750	22.1	-28.8	-13.0	-12.5	1.2	0.8	20.4	0.2	33.7
800	21.7	-28.3	-13.3	-12.5	1.2	0.8	20.0	0.1	34.5
850	21.3	-28.0	-13.5	-12.3	1.2	0.8	20.0	0.3	34.3
900	20.8	-27.5	-13.7	-12.4	1.2	0.8	20.0	0.2	34.0
950	20.5	-27.2	-13.9	-12.3	1.2	0.8	20.2	0.2	34.2
1000	20.0	-26.9	-14.1	-12.3	1.2	0.8	20.1	0.2	34.4
1050	19.7	-26.6	-14.2	-12.2	1.2	0.8	20.1	0.2	34.9
1100	19.4	-26.2	-14.3	-12.1	1.2	0.8	20.1	0.2	33.8
1150	19.0	-25.9	-14.5	-12.1	1.2	0.8	20.2	0.2	34.8
1200	18.7	-25.6	-14.6	-12.2	1.2	0.8	20.2	0.3	34.2
1250	18.4	-25.3	-14.7	-12.1	1.2	0.8	20.3	0.2	34.9
1300	18.1	-25.0	-14.8	-12.1	1.2	0.8	20.5	0.3	34.2
1350	17.8	-24.7	-14.9	-12.1	1.2	0.8	20.0	0.3	35.1
1400	17.5	-24.4	-15.0	-12.1	1.2	0.8	20.0	0.2	35.0
1450	17.2	-24.2	-15.0	-12.1	1.2	0.8	20.2	0.3	34.6
1500	17.0	-23.9	-15.1	-12.0	1.2	0.8	20.3	0.2	35.1
1550	16.7	-23.7	-15.1	-12.1	1.2	0.8	19.6	0.2	35.5
1600	16.5	-23.4	-15.2	-12.0	1.2	0.8	20.3	0.2	35.3
1650	16.2	-23.1	-15.2	-12.1	1.2	0.8	20.2	0.3	35.5
1700	16.0	-22.9	-15.2	-12.1	1.2	0.8	20.6	0.3	35.4
1750	15.8	-22.7	-15.2	-12.0	1.2	0.8	20.2	0.3	35.8
1800	15.5	-22.5	-15.2	-12.1	1.2	0.8	20.3	0.2	36.0
1850	15.4	-22.3	-15.1	-12.1	1.2	0.8	19.8	0.3	36.2
1900	15.1	-22.1	-15.2	-12.2	1.2	0.8	20.2	0.3	36.5
1950	14.9	-21.9	-15.2	-12.2	1.2	0.8	20.0	0.4	36.5
2000	14.7	-21.7	-15.1	-12.2	1.2	0.8	19.6	0.3	37.6
2100	14.3	-21.3	-15.1	-12.4	1.2	0.8	19.8	0.4	36.6
2200	13.9	-20.9	-15.0	-12.5	1.2	0.8	20.1	0.4	36.0
2300	13.6	-20.6	-14.9	-12.6	1.2	0.8	19.9	0.3	35.9
2400	13.3	-20.2	-14.6	-12.8	1.2	0.8	20.1	0.3	36.4
2500	12.9	-19.9	-14.4	-12.9	1.2	0.8	19.9	0.4	35.7
2600	12.6	-19.6	-14.1	-13.2	1.2	0.8	19.9	0.4	35.3
2700	12.3	-19.4	-13.9	-13.5	1.2	0.8	19.2	0.4	36.0
2800	11.9	-19.1	-13.4	-13.9	1.3	0.9	18.7	0.4	34.5
2900	11.7	-18.8	-13.0	-14.6	1.2	0.9	18.8	0.5	35.7
3000	11.4	-18.5	-12.7	-15.1	1.2	0.9	19.5	0.6	35.8
3100	11.2	-18.2	-12.4	-15.7	1.2	0.9	19.6	0.6	36.1
3200	10.9	-18.0	-12.0	-16.1	1.2	0.9	19.7	0.7	36.7
3300	10.6	-17.8	-11.6	-16.9	1.2	0.9	19.6	0.6	36.8
3400	10.4	-17.5	-11.2	-17.9	1.2	0.9	19.4	0.6	35.7
3500	10.2	-17.3	-10.7	-18.7	1.2	0.9	19.8	0.8	36.5
3600	10.0	-17.1	-10.4	-19.8	1.2	0.9	19.9	0.8	37.2
3700	9.8	-16.9	-10.0	-20.8	1.2	0.9	19.2	0.6	36.0
3800	9.6	-16.6	-9.8	-22.1	1.2	0.9	19.7	0.8	36.0
3900	9.4	-16.5	-9.6	-23.5	1.2	0.9	19.3	0.7	35.7
4000	9.2	-16.3	-9.2	-25.3	1.2	1.0	19.6	0.7	36.2

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 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 70 mA, $I_{SHUTDOWN}$ = 0.0014 µA, RI_{ADJ} = 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)
10	28.9	-35.0	-8.6	-22.2	1.1	0.9	21.8	3.7	33.7
20	29.1	-34.4	-8.7	-28.2	1.1	0.8	21.2	1.2	36.9
30	29.1	-34.4	-8.8	-28.2	1.1	0.8	21.3	1.4	32.6
40	29.0	-34.1	-8.8	-25.9	1.1	0.8	21.3	0.6	32.5
50	29.0	-33.8	-8.8	-24.9	1.1	0.8	21.3	1.5	32.7
60	29.0	-33.7	-9.0	-23.6	1.1	0.8	21.3	1.0	36.2
70	28.9	-33.7	-9.0	-22.4	1.1	0.8	21.3	0.6	33.5
80	28.9	-33.9	-9.1	-21.2	1.1	0.8	21.5	0.5	33.1
90	28.9	-33.6	-9.0	-20.6	1.1	0.8	21.3	0.7	34.4
100	28.8	-33.7	-9.1	-20.1	1.1	0.8	21.3	0.4	34.3
200	28.0	-33.4	-9.6	-16.8	1.1	0.7	21.2	0.3	33.3
250	27.5	-33.1	-10.1	-15.9	1.2	0.7	20.9	0.3	33.4
300	27.0	-32.8	-10.6	-14.9	1.2	0.7	20.8	0.2	33.8
350	26.4	-32.3	-10.9	-14.5	1.2	0.7	20.9	0.4	34.2
400	25.8	-31.8	-11.3	-13.9	1.2	0.7	20.7	0.2	33.9
450	25.3	-31.5	-11.7	-13.9	1.2	0.7	20.3	0.3	34.4
500	24.7	-30.9	-12.0	-13.4	1.2	0.7	20.3	0.2	35.3
550	24.2	-30.5	-12.4	-13.3	1.2	0.8	20.3	0.2	35.4
600	23.7	-30.2	-12.7	-13.1	1.2	0.8	20.3	0.1	36.9
650	23.2	-29.7	-13.0	-13.0	1.2	0.8	20.4	0.2	36.1
700	22.7	-29.2	-13.4	-12.8	1.2	0.8	20.4	0.2	35.8
750	22.3	-28.8	-13.6	-12.6	1.2	0.8	20.5	0.2	36.1
800	21.8	-28.4	-13.8	-12.7	1.2	0.8	20.1	0.2	36.5
850	21.4	-28.0	-14.0	-12.5	1.2	0.8	20.2	0.2	35.5
900	21.0	-27.5	-14.2	-12.5	1.2	0.8	20.2	0.2	35.5
950	20.6	-27.2	-14.5	-12.5	1.2	0.8	20.3	0.2	36.4
1000	20.2	-26.9	-14.6	-12.4	1.2	0.8	20.2	0.2	36.6
1050	19.8	-26.5	-14.8	-12.3	1.2	0.8	20.3	0.2	36.5
1100	19.5	-26.2	-14.8	-12.3	1.2	0.8	20.2	0.2	35.8
1150	19.2	-25.9	-15.0	-12.3	1.2	0.8	20.3	0.2	36.8
1200	18.8	-25.6	-15.1	-12.3	1.2	0.8	20.3	0.3	36.3
1250	18.5	-25.2	-15.2	-12.2	1.2	0.8	20.4	0.2	36.2
1300	18.2	-25.0	-15.3	-12.2	1.2	0.8	20.5	0.2	36.7
1350	17.9	-24.7	-15.4	-12.2	1.2	0.8	20.1	0.2	35.7
1400	17.6	-24.4	-15.4	-12.2	1.2	0.8	20.0	0.2	37.8
1450	17.4	-24.1	-15.5	-12.2	1.2	0.8	20.3	0.2	37.0
1500	17.1	-23.9	-15.5	-12.2	1.2	0.8	20.4	0.2	37.1
1550	16.9	-23.6	-15.6	-12.2	1.2	0.8	19.7	0.2	38.4
1600	16.6	-23.4	-15.7	-12.1	1.2	0.8	20.4	0.2	37.5
1650	16.4	-23.1	-15.6	-12.2	1.2	0.8	20.2	0.2	37.0
1700	16.1	-22.9	-15.7	-12.2	1.2	0.8	20.7	0.3	36.4
1750	15.9	-22.7	-15.6	-12.1	1.2	0.8	20.2	0.2	36.7
1800	15.7	-22.5	-15.7	-12.2	1.2	0.8	20.3	0.3	37.6
1850	15.5	-22.2	-15.6	-12.3	1.2	0.8	19.9	0.4	38.5
1900	15.3	-22.1	-15.6	-12.4	1.2	0.8	20.3	0.3	37.6
1950	15.0	-21.9	-15.6	-12.3	1.2	0.8	20.1	0.3	38.2
2000	14.9	-21.6	-15.5	-12.3	1.2	0.8	19.7	0.3	40.0
2100	14.4	-21.3	-15.5	-12.5	1.2	0.8	19.8	0.3	38.0
2200	14.1	-20.9	-15.4	-12.6	1.2	0.8	20.1	0.4	37.6
2300	13.7	-20.5	-15.3	-12.7	1.2	0.8	20.0	0.4	40.0
2400	13.4	-20.2	-15.0	-12.9	1.2	0.8	20.1	0.4	39.3
2500	13.1	-19.9	-14.7	-13.1	1.2	0.8	20.0	0.5	38.1
2600	12.7	-19.6	-14.4	-13.3	1.2	0.8	20.0	0.4	39.5
2700	12.4	-19.3	-14.2	-13.7	1.2	0.8	19.2	0.5	38.1
2800	12.0	-19.1	-13.7	-14.0	1.2	0.8	18.7	0.4	36.8
2900	11.8	-18.7	-13.2	-14.8	1.2	0.9	18.8	0.4	38.4
3000	11.6	-18.4	-13.0	-15.3	1.2	0.9	19.5	0.5	38.2
3100	11.3	-18.2	-12.7	-15.9	1.2	0.9	19.7	0.5	38.4
3200	11.0	-17.9	-12.3	-16.3	1.2	0.9	19.7	0.6	37.8
3300	10.8	-17.7	-11.8	-17.2	1.2	0.9	19.6	0.6	38.4
3400	10.5	-17.5	-11.4	-18.1	1.2	0.9	19.5	0.7	39.4
3500	10.3	-17.2	-10.9	-19.0	1.2	0.9	19.7	0.7	40.5
3600	10.1	-17.0	-10.6	-20.2	1.2	0.9	19.9	0.7	38.3
3700	9.9	-16.8	-10.2	-21.3	1.2	0.9	19.3	0.7	38.4
3800	9.7	-16.6	-10.0	-22.6	1.2	0.9	19.7	0.8	38.2
3900	9.5	-16.4	-9.7	-24.2	1.2	0.9	19.3	0.8	38.8
4000	9.3	-16.3	-9.4	-26.3	1.2	0.9	19.6	0.7	38.6

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 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 72 mA, $I_{SHUTDOWN}$ = 0.0014 µA @ 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)
10	-34.4	-59.0	-0.9	-0.6	610.8	0.2	-36.2	34.8	
20	-22.4	-67.5	-0.8	-0.6	317.6	0.2	-35.9	16.8	
30	-15.5	-60.6	-0.9	-0.5	62.2	0.2	-22.0	8.3	
40	-10.8	-62.5	-1.0	-0.5	51.6	0.2	-19.2	5.1	
50	-7.0	-63.2	-0.9	-0.6	37.4	0.2	-15.5	1.7	
60	-4.1	-64.1	-1.0	-0.6	32.5	0.2	-12.6	1.3	
70	-1.5	-58.8	-1.0	-0.6	15.2	0.2	-9.7	2.1	
80	0.8	-60.4	-1.0	-0.6	12.5	0.2	-7.6	1.1	
90	2.6	-58.3	-1.1	-0.6	9.8	0.2	-6.2	0.9	
100	4.4	-56.2	-1.1	-0.6	6.3	0.2	-4.6	0.7	
200	15.3	-45.5	-1.8	-0.8	1.7	0.2	7.8	0.5	
250	18.4	-42.0	-2.4	-1.2	1.4	0.3	12.3	0.5	
300	20.8	-38.3	-3.0	-1.8	1.3	0.3	14.6	0.5	
350	22.3	-36.2	-3.9	-2.9	1.3	0.5	15.8	0.5	
400	23.3	-34.0	-5.0	-4.3	1.2	0.6	16.6	0.4	
450	23.7	-32.9	-6.3	-6.2	1.2	0.7	17.3	0.5	
500	23.9	-31.7	-7.6	-8.6	1.2	0.7	17.6	0.4	36.4
550	23.7	-30.7	-8.8	-11.2	1.2	0.8	18.0	0.4	36.4
600	23.4	-30.1	-10.0	-14.4	1.2	0.8	18.4	0.4	37.0
650	23.0	-29.5	-11.1	-17.8	1.2	0.8	18.6	0.3	37.1
700	22.6	-29.1	-12.0	-20.8	1.2	0.8	18.6	0.4	37.1
750	22.2	-28.6	-12.8	-21.5	1.2	0.8	18.8	0.4	37.3
800	21.8	-28.2	-13.5	-19.9	1.2	0.8	19.0	0.5	37.0
850	21.3	-27.8	-14.1	-18.1	1.2	0.8	19.0	0.4	38.0
900	20.9	-27.4	-14.7	-16.6	1.2	0.8	19.4	0.4	36.4
950	20.5	-27.1	-15.2	-15.4	1.2	0.8	19.3	0.4	37.7
1000	20.1	-26.7	-15.5	-14.5	1.2	0.8	19.6	0.5	38.0
1050	19.7	-26.4	-15.9	-13.6	1.2	0.8	19.4	0.3	37.1
1100	19.4	-26.1	-16.3	-13.0	1.2	0.8	19.5	0.5	39.0
1150	19.0	-25.8	-16.6	-12.5	1.2	0.8	19.9	0.4	36.3
1200	18.6	-25.5	-16.9	-12.0	1.2	0.8	19.8	0.4	36.6
1250	18.3	-25.2	-17.2	-11.6	1.2	0.8	20.1	0.5	36.6
1300	18.0	-24.9	-17.5	-11.3	1.2	0.8	20.1	0.4	36.6
1350	17.7	-24.7	-17.8	-11.0	1.2	0.8	20.1	0.4	37.0
1400	17.4	-24.4	-18.1	-10.7	1.2	0.8	20.1	0.4	38.0
1450	17.1	-24.2	-18.5	-10.5	1.2	0.8	20.3	0.5	37.1
1500	16.8	-23.9	-18.7	-10.3	1.2	0.8	20.2	0.4	37.2
1550	16.5	-23.7	-19.1	-10.1	1.2	0.7	19.9	0.5	38.5
1600	16.3	-23.5	-19.4	-10.0	1.2	0.7	20.4	0.5	37.5
1650	16.0	-23.2	-19.6	-9.8	1.2	0.7	20.3	0.4	38.2
1700	15.8	-23.0	-19.8	-9.7	1.2	0.7	21.1	0.4	37.6
1750	15.5	-22.8	-20.2	-9.6	1.2	0.7	20.5	0.4	37.0
1800	15.3	-22.5	-20.3	-9.5	1.2	0.7	20.5	0.4	37.8
1850	15.1	-22.3	-20.4	-9.5	1.2	0.7	20.2	0.5	37.3
1900	14.9	-22.2	-20.5	-9.4	1.2	0.7	20.8	0.4	38.2
1950	14.6	-21.9	-20.5	-9.4	1.2	0.7	20.4	0.5	39.3
2000	14.4	-21.7	-20.4	-9.4	1.2	0.7	20.2	0.5	39.1
2100	14.0	-21.4	-20.1	-9.4	1.2	0.7	20.1	0.5	38.6
2200	13.7	-21.0	-19.6	-9.4	1.2	0.7	20.5	0.6	38.7
2300	13.3	-20.6	-19.0	-9.4	1.2	0.7	20.5	0.5	42.6
2400	12.9	-20.3	-18.5	-9.4	1.2	0.7	20.4	0.6	37.9
2500	12.6	-20.0	-18.1	-9.5	1.2	0.7	20.4	0.5	38.7
2600	12.3	-19.7	-17.5	-9.5	1.2	0.8	20.3	0.7	38.0
2700	12.0	-19.4	-17.1	-9.6	1.2	0.8	19.7	0.6	38.9
2800	11.7	-19.1	-16.6	-9.7	1.2	0.8	19.2	0.7	38.8
2900	11.4	-18.9	-16.3	-10.0	1.2	0.8	19.1	0.7	37.6
3000	11.2	-18.5	-16.2	-10.2	1.2	0.8	19.6	0.7	38.8
3100	11.0	-18.2	-16.3	-10.4	1.2	0.8	20.0	0.8	37.1
3200	10.7	-18.0	-16.2	-10.8	1.2	0.8	20.2	0.8	38.2
3300	10.5	-17.7	-15.7	-11.2	1.3	0.8	19.9	0.8	37.8
3400	10.3	-17.4	-15.1	-11.7	1.2	0.8	19.7	1.0	38.2
3500	10.1	-17.2	-14.6	-12.3	1.2	0.8	20.2	1.0	38.6
3600	9.9	-16.9	-13.9	-12.9	1.2	0.8	20.3	0.9	40.3
3700	9.7	-16.7	-13.2	-13.6	1.2	0.8	19.7	0.9	40.4
3800	9.5	-16.4	-12.5	-14.5	1.2	0.9	20.0	1.1	41.5
3900	9.3	-16.3	-11.7	-15.4	1.2	0.9	19.7	1.0	41.3
4000	9.1	-16.1	-11.1	-16.4	1.2	0.9	19.9	1.1	39.0

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