

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: $V_{DD} = +2.7\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 32\text{ mA}$, $I_{SHUTDOWN} = 0.0041\text{ }\mu\text{A}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output Pout = +4
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
10	27.2	-33.1	-6.0	-17.4	1.0	0.9	15.7	1.1	26.4
20	27.2	-33.0	-5.9	-17.7	1.0	0.9	14.6	0.5	26.7
30	27.1	-33.0	-5.9	-17.4	1.0	0.9	14.7	0.6	26.1
40	27.1	-32.9	-5.9	-17.1	1.0	0.9	14.7	0.4	25.9
50	27.1	-32.9	-6.0	-16.9	1.0	0.9	14.7	0.4	26.2
60	27.1	-32.7	-6.0	-16.7	1.0	0.9	14.6	0.4	26.6
70	27.0	-32.6	-6.0	-16.5	1.0	0.9	14.7	0.5	26.6
80	27.0	-32.6	-6.0	-16.3	1.0	0.9	14.8	0.4	26.4
90	27.0	-32.5	-6.1	-16.2	1.0	0.9	14.6	0.4	26.0
100	26.9	-32.5	-6.1	-16.1	1.0	0.9	14.6	0.4	25.7
200	26.2	-31.6	-6.6	-15.6	1.0	0.8	14.8	0.4	26.4
250	25.9	-31.2	-7.0	-15.5	1.0	0.8	14.6	0.4	25.8
300	25.7	-30.7	-7.3	-15.6	1.1	0.8	14.7	0.4	25.7
350	25.4	-30.1	-7.8	-15.6	1.1	0.8	14.8	0.4	26.4
400	25.2	-29.7	-8.1	-15.7	1.1	0.8	14.8	0.4	26.3
450	24.9	-29.2	-8.5	-15.8	1.1	0.8	14.6	0.3	26.0
500	24.7	-28.7	-8.8	-15.9	1.1	0.8	14.7	0.4	26.3
550	24.4	-28.2	-9.1	-16.0	1.1	0.8	14.7	0.5	26.5
600	24.2	-27.7	-9.5	-16.0	1.1	0.8	14.5	0.4	26.1
650	23.9	-27.3	-9.7	-16.1	1.1	0.8	14.8	0.4	26.4
700	23.6	-26.8	-10.0	-16.2	1.1	0.8	14.8	0.4	27.0
750	23.3	-26.4	-10.2	-16.2	1.1	0.8	14.9	0.4	26.6
800	23.1	-26.0	-10.4	-16.3	1.1	0.8	14.8	0.3	26.2
850	22.8	-25.7	-10.6	-16.3	1.1	0.8	14.8	0.3	26.8
900	22.6	-25.2	-10.7	-16.3	1.1	0.8	14.7	0.5	27.0
950	22.3	-24.9	-10.9	-16.3	1.1	0.8	14.8	0.3	26.5
1000	22.1	-24.5	-11.1	-16.3	1.1	0.8	14.7	0.4	26.7
1050	21.8	-24.2	-11.2	-16.3	1.1	0.8	15.1	0.4	27.1
1100	21.6	-23.9	-11.3	-16.3	1.1	0.8	14.8	0.4	26.8
1150	21.3	-23.6	-11.4	-16.3	1.1	0.8	14.7	0.5	26.3
1200	21.1	-23.3	-11.6	-16.3	1.1	0.8	14.9	0.5	27.1
1250	20.9	-23.0	-11.7	-16.3	1.1	0.8	15.0	0.4	27.0
1300	20.7	-22.7	-11.7	-16.3	1.1	0.8	15.2	0.4	26.7
1350	20.4	-22.4	-11.9	-16.3	1.1	0.8	14.7	0.5	26.9
1400	20.3	-22.2	-11.9	-16.2	1.1	0.8	14.9	0.4	27.3
1450	20.0	-21.9	-12.0	-16.2	1.1	0.8	15.0	0.5	27.1
1500	19.8	-21.6	-12.1	-16.2	1.1	0.8	15.4	0.5	26.7
1550	19.6	-21.4	-12.1	-16.1	1.1	0.8	14.8	0.4	27.4
1600	19.4	-21.2	-12.2	-16.1	1.2	0.8	15.0	0.5	27.2
1650	19.2	-20.9	-12.2	-16.1	1.2	0.8	15.3	0.5	26.7
1700	19.0	-20.7	-12.4	-16.1	1.2	0.8	14.8	0.5	26.9
1750	18.8	-20.5	-12.4	-16.0	1.2	0.8	15.2	0.5	27.2
1800	18.7	-20.3	-12.4	-16.0	1.2	0.8	15.4	0.5	26.9
1850	18.5	-20.0	-12.5	-16.0	1.2	0.8	15.2	0.5	26.8
1900	18.3	-19.8	-12.5	-15.9	1.2	0.8	15.1	0.5	27.6
1950	18.1	-19.6	-12.6	-15.9	1.2	0.8	15.4	0.5	27.4
2000	18.0	-19.5	-12.6	-15.9	1.2	0.8	15.2	0.5	27.0
2100	17.8	-19.1	-12.7	-15.9	1.2	0.8	15.3	0.5	27.5
2200	17.6	-18.7	-12.7	-15.8	1.2	0.8	15.3	0.5	26.9
2300	17.4	-18.4	-12.7	-15.8	1.2	0.8	14.8	0.5	27.0
2400	17.3	-18.1	-12.7	-15.8	1.2	0.8	15.2	0.7	27.3
2500	17.1	-17.8	-12.7	-15.8	1.2	0.8	15.1	0.6	27.0
2600	17.0	-17.5	-12.7	-15.8	1.2	0.8	14.9	0.6	27.5
2700	16.8	-17.2	-12.4	-16.4	1.2	0.8	14.9	0.6	26.7
2800	16.7	-16.9	-12.4	-16.4	1.2	0.8	14.2	0.7	27.4
2900	16.5	-16.7	-12.2	-16.5	1.2	0.9	14.1	0.7	27.9
3000	16.4	-16.4	-12.0	-17.3	1.2	0.9	14.3	0.8	27.7
3100	16.2	-16.2	-11.8	-17.7	1.2	0.9	14.7	0.8	28.5
3200	16.1	-16.0	-11.5	-18.1	1.2	0.9	14.9	0.8	26.5
3300	16.0	-15.8	-11.1	-18.8	1.2	0.9	15.1	0.9	27.0
3400	15.8	-15.6	-10.5	-19.9	1.2	0.9	15.4	1.0	26.8
3500	15.7	-15.3	-10.3	-21.0	1.2	0.9	15.0	0.8	26.8
3600	15.6	-15.0	-10.0	-21.9	1.2	0.9	15.2	0.9	27.4
3700	15.4	-14.8	-9.8	-22.8	1.2	0.9	15.7	0.8	26.7
3800	15.3	-14.6	-9.5	-23.7	1.2	0.9	15.3	0.9	26.9
3900	15.2	-14.5	-9.2	-24.5	1.2	0.9	15.7	1.0	26.8
4000	15.1	-14.3	-9.0	-25.2	1.2	0.9	15.3	1.0	26.5

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: $V_{DD} = +3\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 37\text{ mA}$, $I_{SHUTDOWN} = 0.0041\text{ }\mu\text{A}$ @ Temperature = $+25^{\circ}\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output Pout = +4
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
10	27.7	-33.3	-6.4	-18.8	1.0	0.9	16.9	1.1	29.2
20	27.7	-33.1	-6.4	-19.5	1.0	0.9	16.0	0.5	28.3
30	27.6	-33.1	-6.4	-19.1	1.0	0.9	16.0	0.6	27.5
40	27.6	-33.2	-6.4	-18.8	1.0	0.9	15.9	0.4	27.8
50	27.6	-33.0	-6.4	-18.5	1.0	0.9	15.9	0.4	27.8
60	27.6	-33.0	-6.5	-18.2	1.0	0.9	15.9	0.5	28.2
70	27.5	-32.9	-6.5	-17.9	1.0	0.8	16.0	0.4	28.3
80	27.5	-32.8	-6.5	-17.7	1.0	0.8	16.1	0.4	28.0
90	27.5	-32.7	-6.6	-17.5	1.0	0.8	15.9	0.4	27.7
100	27.4	-32.6	-6.6	-17.2	1.0	0.8	16.0	0.4	27.4
200	26.7	-31.9	-7.2	-16.4	1.1	0.8	16.1	0.4	28.3
250	26.4	-31.5	-7.6	-16.1	1.1	0.8	15.9	0.3	27.6
300	26.2	-31.1	-7.9	-16.0	1.1	0.8	16.0	0.4	27.8
350	25.9	-30.6	-8.3	-16.0	1.1	0.8	16.1	0.4	28.3
400	25.7	-30.1	-8.7	-15.9	1.1	0.8	16.1	0.4	28.3
450	25.4	-29.5	-9.1	-15.9	1.1	0.8	15.8	0.3	28.0
500	25.1	-29.1	-9.5	-15.8	1.1	0.8	15.9	0.4	28.4
550	24.8	-28.6	-9.8	-15.8	1.1	0.8	15.9	0.4	28.6
600	24.6	-28.1	-10.1	-15.8	1.1	0.8	15.6	0.4	28.2
650	24.3	-27.6	-10.3	-15.8	1.1	0.8	15.9	0.3	28.5
700	24.0	-27.3	-10.6	-15.8	1.1	0.8	15.9	0.4	29.2
750	23.7	-26.8	-10.9	-15.8	1.1	0.8	16.0	0.4	28.6
800	23.5	-26.3	-11.1	-15.8	1.1	0.8	15.8	0.3	28.4
850	23.2	-26.0	-11.3	-15.8	1.1	0.8	15.8	0.3	29.2
900	23.0	-25.6	-11.5	-15.8	1.1	0.8	15.8	0.4	29.2
950	22.7	-25.2	-11.7	-15.8	1.1	0.8	15.9	0.4	28.6
1000	22.5	-24.9	-11.8	-15.7	1.1	0.8	15.7	0.4	29.1
1050	22.2	-24.5	-11.9	-15.7	1.1	0.8	16.1	0.4	29.3
1100	22.0	-24.2	-12.1	-15.7	1.1	0.8	15.7	0.4	29.0
1150	21.7	-23.9	-12.2	-15.7	1.1	0.8	15.7	0.4	28.6
1200	21.5	-23.5	-12.3	-15.7	1.1	0.8	15.9	0.5	29.3
1250	21.2	-23.3	-12.4	-15.6	1.1	0.8	15.9	0.4	29.2
1300	21.1	-23.0	-12.5	-15.6	1.1	0.8	16.2	0.4	28.9
1350	20.8	-22.7	-12.6	-15.6	1.1	0.8	15.6	0.4	29.4
1400	20.6	-22.4	-12.7	-15.6	1.1	0.8	15.8	0.4	29.6
1450	20.4	-22.1	-12.8	-15.5	1.1	0.8	15.9	0.4	29.3
1500	20.2	-21.9	-12.9	-15.5	1.1	0.8	16.4	0.5	29.2
1550	20.0	-21.6	-12.9	-15.4	1.1	0.8	15.7	0.5	29.7
1600	19.8	-21.4	-13.0	-15.4	1.2	0.8	15.9	0.4	29.8
1650	19.6	-21.1	-13.0	-15.4	1.2	0.8	16.2	0.5	29.0
1700	19.4	-20.9	-13.2	-15.4	1.2	0.8	15.8	0.5	29.2
1750	19.2	-20.7	-13.2	-15.3	1.2	0.8	16.1	0.5	29.4
1800	19.0	-20.5	-13.2	-15.3	1.2	0.8	16.3	0.4	29.0
1850	18.8	-20.3	-13.3	-15.3	1.2	0.8	16.0	0.5	29.2
1900	18.7	-20.1	-13.3	-15.2	1.2	0.8	16.0	0.5	29.8
1950	18.5	-19.9	-13.4	-15.2	1.2	0.8	16.2	0.4	29.8
2000	18.3	-19.7	-13.4	-15.2	1.2	0.8	16.1	0.4	29.1
2100	18.1	-19.3	-13.5	-15.2	1.2	0.8	16.2	0.5	29.8
2200	18.0	-18.9	-13.5	-15.1	1.2	0.8	16.1	0.5	29.1
2300	17.8	-18.6	-13.5	-15.0	1.2	0.8	15.7	0.5	29.3
2400	17.7	-18.3	-13.6	-15.1	1.2	0.8	16.1	0.7	29.4
2500	17.5	-18.0	-13.6	-15.1	1.2	0.8	15.9	0.6	29.1
2600	17.3	-17.7	-13.5	-15.1	1.2	0.8	15.7	0.6	29.7
2700	17.2	-17.4	-13.2	-15.7	1.2	0.8	15.6	0.6	28.9
2800	17.1	-17.1	-13.2	-15.6	1.2	0.8	14.9	0.6	29.4
2900	16.9	-16.9	-13.0	-15.7	1.2	0.8	14.7	0.7	29.8
3000	16.7	-16.6	-12.7	-16.6	1.2	0.8	15.1	0.7	29.5
3100	16.6	-16.4	-12.5	-16.8	1.2	0.8	15.5	0.7	30.4
3200	16.5	-16.2	-12.2	-17.2	1.2	0.9	15.7	0.8	28.4
3300	16.3	-16.0	-11.7	-17.9	1.2	0.9	15.8	0.9	29.1
3400	16.2	-15.8	-11.1	-18.9	1.2	0.9	16.2	0.9	28.9
3500	16.0	-15.5	-10.8	-20.0	1.2	0.9	15.7	0.8	28.8
3600	15.9	-15.2	-10.5	-20.7	1.2	0.9	16.0	0.8	29.5
3700	15.8	-15.0	-10.2	-21.6	1.2	0.9	16.4	0.8	28.7
3800	15.7	-14.8	-10.0	-22.5	1.2	0.9	16.0	0.9	28.9
3900	15.5	-14.6	-9.7	-23.4	1.2	0.9	16.4	1.0	28.7
4000	15.4	-14.5	-9.4	-24.4	1.2	0.9	15.9	0.9	28.3

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: $V_{DD} = +3.3\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 42\text{ mA}$, $I_{SHUTDOWN} = 0.0041\text{ }\mu\text{A}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output Pout = +4
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
10	28.1	-33.6	-6.9	-20.7	1.0	0.9	18.0	1.1	30.1
20	28.0	-33.4	-6.8	-21.4	1.0	0.9	17.2	0.4	29.6
30	28.0	-33.6	-6.8	-20.9	1.0	0.9	17.2	0.6	29.4
40	28.0	-33.3	-6.8	-20.4	1.0	0.9	17.1	0.4	29.0
50	28.0	-33.2	-6.9	-19.9	1.0	0.8	17.2	0.4	29.2
60	28.0	-33.0	-6.9	-19.5	1.0	0.8	17.0	0.4	29.7
70	27.9	-33.1	-6.9	-19.2	1.0	0.8	17.1	0.4	29.8
80	27.9	-33.0	-7.0	-18.8	1.0	0.8	17.2	0.4	29.8
90	27.8	-32.8	-7.0	-18.6	1.0	0.8	17.0	0.4	29.0
100	27.8	-32.8	-7.1	-18.3	1.0	0.8	17.1	0.4	29.1
200	27.0	-32.2	-7.6	-16.9	1.1	0.8	17.2	0.4	29.9
250	26.8	-31.7	-8.0	-16.5	1.1	0.8	17.0	0.4	29.0
300	26.6	-31.4	-8.4	-16.2	1.1	0.8	17.2	0.4	29.5
350	26.2	-30.8	-8.9	-16.0	1.1	0.8	17.2	0.3	29.9
400	26.0	-30.3	-9.2	-15.8	1.1	0.8	17.1	0.4	32.8
450	25.7	-29.9	-9.6	-15.7	1.1	0.8	16.8	0.4	30.2
500	25.5	-29.4	-10.0	-15.6	1.1	0.8	16.9	0.4	31.8
550	25.1	-28.9	-10.3	-15.6	1.1	0.8	16.9	0.4	30.2
600	24.9	-28.4	-10.7	-15.5	1.1	0.8	16.6	0.4	29.7
650	24.6	-27.9	-10.9	-15.4	1.1	0.8	16.8	0.3	30.3
700	24.4	-27.5	-11.2	-15.4	1.1	0.8	16.8	0.4	31.0
750	24.0	-27.0	-11.5	-15.3	1.1	0.8	16.9	0.3	30.6
800	23.8	-26.6	-11.7	-15.3	1.1	0.8	16.7	0.4	30.0
850	23.5	-26.2	-12.0	-15.3	1.1	0.8	16.7	0.3	31.4
900	23.3	-25.8	-12.1	-15.3	1.1	0.8	16.7	0.3	30.8
950	23.0	-25.4	-12.3	-15.3	1.1	0.8	16.7	0.4	30.6
1000	22.8	-25.1	-12.4	-15.2	1.1	0.8	16.6	0.3	31.1
1050	22.5	-24.7	-12.6	-15.2	1.1	0.8	17.0	0.4	31.4
1100	22.3	-24.4	-12.7	-15.2	1.1	0.8	16.6	0.4	30.9
1150	22.0	-24.1	-12.8	-15.1	1.1	0.8	16.5	0.4	30.6
1200	21.8	-23.8	-13.0	-15.1	1.1	0.8	16.7	0.4	31.2
1250	21.5	-23.5	-13.1	-15.1	1.1	0.8	16.8	0.4	31.3
1300	21.3	-23.2	-13.1	-15.0	1.1	0.8	17.0	0.4	30.6
1350	21.1	-22.9	-13.3	-15.0	1.1	0.8	16.4	0.4	31.4
1400	20.9	-22.6	-13.3	-15.0	1.1	0.8	16.6	0.4	31.3
1450	20.6	-22.3	-13.5	-14.9	1.1	0.8	16.7	0.4	31.2
1500	20.5	-22.1	-13.5	-14.9	1.1	0.8	17.2	0.4	31.0
1550	20.2	-21.8	-13.6	-14.8	1.1	0.8	16.5	0.4	31.6
1600	20.1	-21.6	-13.7	-14.8	1.2	0.8	16.7	0.5	31.6
1650	19.8	-21.3	-13.7	-14.8	1.1	0.8	17.0	0.5	30.9
1700	19.7	-21.1	-13.9	-14.8	1.2	0.8	16.5	0.5	31.3
1750	19.4	-20.9	-13.9	-14.7	1.2	0.8	16.9	0.4	31.6
1800	19.3	-20.7	-13.9	-14.7	1.2	0.8	17.1	0.4	30.8
1850	19.1	-20.5	-14.0	-14.7	1.2	0.8	16.8	0.5	31.2
1900	18.9	-20.3	-14.0	-14.6	1.2	0.8	16.8	0.4	31.5
1950	18.7	-20.1	-14.1	-14.6	1.2	0.8	17.0	0.4	31.8
2000	18.6	-19.9	-14.1	-14.6	1.2	0.8	16.8	0.4	31.2
2100	18.4	-19.5	-14.2	-14.6	1.2	0.8	16.9	0.5	31.2
2200	18.2	-19.1	-14.2	-14.5	1.2	0.8	16.9	0.4	31.3
2300	18.1	-18.8	-14.2	-14.4	1.2	0.8	16.4	0.5	31.0
2400	17.9	-18.4	-14.2	-14.4	1.2	0.8	16.8	0.6	31.2
2500	17.7	-18.1	-14.2	-14.5	1.2	0.8	16.6	0.5	31.0
2600	17.6	-17.9	-14.2	-14.5	1.2	0.8	16.5	0.5	31.5
2700	17.4	-17.6	-13.9	-15.1	1.2	0.8	16.3	0.6	30.8
2800	17.3	-17.3	-13.8	-15.0	1.2	0.8	15.6	0.6	31.0
2900	17.1	-17.1	-13.6	-15.1	1.2	0.8	15.4	0.6	31.6
3000	17.0	-16.8	-13.3	-15.9	1.2	0.8	15.7	0.7	30.9
3100	16.8	-16.5	-13.1	-16.1	1.2	0.8	16.1	0.7	32.3
3200	16.7	-16.4	-12.7	-16.5	1.2	0.8	16.3	0.7	30.1
3300	16.6	-16.2	-12.1	-17.2	1.2	0.9	16.5	0.8	31.2
3400	16.4	-15.9	-11.6	-18.1	1.2	0.9	16.8	0.8	30.9
3500	16.3	-15.6	-11.2	-19.1	1.2	0.9	16.4	0.8	30.2
3600	16.2	-15.4	-11.0	-19.7	1.2	0.9	16.6	0.8	31.2
3700	16.0	-15.1	-10.6	-20.6	1.2	0.9	17.0	0.8	30.2
3800	15.9	-14.9	-10.3	-21.4	1.2	0.9	16.7	0.9	30.6
3900	15.8	-14.8	-10.1	-22.3	1.2	0.9	17.1	1.1	30.3
4000	15.7	-14.6	-9.8	-23.3	1.2	0.9	16.6	0.9	29.8

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: $V_{DD} = +4.75\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 66\text{ mA}$, $I_{SHUTDOWN} = 0.0037\text{ }\mu\text{A}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output Pout = +4
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
10	29.3	-34.3	-8.6	-24.9	1.0	0.8	21.3	1.2	35.1
20	29.2	-33.7	-8.5	-36.4	1.0	0.8	21.2	0.4	33.6
30	29.2	-33.7	-8.6	-34.0	1.0	0.8	20.6	0.5	33.8
40	29.2	-33.7	-8.6	-30.1	1.0	0.8	20.9	0.3	32.4
50	29.2	-33.7	-8.7	-27.5	1.0	0.8	21.0	0.3	32.8
60	29.1	-33.5	-8.8	-25.6	1.0	0.8	20.8	0.4	34.6
70	29.1	-33.4	-8.8	-24.3	1.0	0.7	20.7	0.4	34.2
80	29.0	-33.3	-8.9	-23.4	1.0	0.7	20.7	0.4	33.8
90	29.0	-33.3	-8.9	-22.6	1.0	0.7	20.9	0.4	33.7
100	28.9	-33.2	-9.0	-21.9	1.0	0.7	20.7	0.3	33.3
200	28.1	-32.7	-9.7	-17.8	1.1	0.7	20.9	0.3	34.3
250	27.5	-32.4	-10.1	-16.8	1.1	0.7	20.8	0.3	32.7
300	27.0	-32.0	-10.6	-16.0	1.1	0.7	20.9	0.4	34.1
350	26.4	-31.5	-11.1	-15.4	1.1	0.7	20.6	0.3	34.8
400	25.8	-31.1	-11.5	-15.0	1.1	0.7	20.4	0.3	35.5
450	25.2	-30.5	-12.0	-14.6	1.1	0.7	20.1	0.3	34.9
500	24.6	-30.1	-12.3	-14.4	1.1	0.7	20.1	0.3	35.8
550	24.0	-29.6	-12.7	-14.1	1.2	0.7	20.0	0.4	35.1
600	23.5	-29.1	-13.1	-13.9	1.2	0.7	19.9	0.3	34.9
650	23.0	-28.6	-13.4	-13.8	1.2	0.7	19.9	0.3	35.3
700	22.5	-28.2	-13.7	-13.6	1.2	0.7	19.7	0.3	36.0
750	22.0	-27.7	-14.0	-13.5	1.2	0.7	19.7	0.3	35.1
800	21.6	-27.3	-14.2	-13.4	1.2	0.7	19.3	0.3	36.3
850	21.1	-26.8	-14.5	-13.3	1.2	0.7	19.5	0.3	36.3
900	20.7	-26.5	-14.7	-13.2	1.2	0.7	19.4	0.3	35.3
950	20.3	-26.1	-14.9	-13.1	1.2	0.7	19.5	0.3	35.7
1000	19.9	-25.7	-15.1	-13.0	1.2	0.7	20.1	0.3	36.5
1050	19.5	-25.3	-15.2	-13.0	1.2	0.7	19.3	0.3	36.5
1100	19.2	-25.0	-15.5	-12.8	1.2	0.7	19.3	0.3	36.0
1150	18.8	-24.7	-15.6	-12.8	1.2	0.7	19.2	0.3	37.1
1200	18.5	-24.3	-15.7	-12.7	1.2	0.7	19.3	0.3	37.2
1250	18.2	-24.0	-16.0	-12.7	1.2	0.7	19.3	0.4	36.7
1300	17.9	-23.7	-16.0	-12.7	1.2	0.7	19.4	0.4	36.0
1350	17.6	-23.5	-16.2	-12.5	1.2	0.7	19.4	0.3	37.2
1400	17.3	-23.1	-16.3	-12.5	1.1	0.7	19.3	0.4	37.1
1450	17.0	-22.9	-16.4	-12.4	1.2	0.7	19.6	0.3	35.8
1500	16.7	-22.6	-16.6	-12.4	1.2	0.7	19.0	0.4	37.6
1550	16.5	-22.4	-16.6	-12.4	1.2	0.7	19.6	0.4	37.1
1600	16.2	-22.1	-16.8	-12.3	1.2	0.7	19.1	0.4	36.8
1650	16.0	-21.9	-16.8	-12.3	1.2	0.7	19.3	0.4	36.0
1700	15.7	-21.7	-16.8	-12.3	1.2	0.7	19.1	0.4	38.1
1750	15.5	-21.4	-17.0	-12.3	1.2	0.7	19.1	0.4	37.9
1800	15.3	-21.2	-16.9	-12.3	1.2	0.7	19.4	0.4	36.2
1850	15.0	-21.0	-17.1	-12.2	1.2	0.7	19.2	0.4	37.7
1900	14.8	-20.8	-17.1	-12.3	1.2	0.7	19.2	0.3	37.5
1950	14.6	-20.6	-17.1	-12.2	1.2	0.7	19.3	0.4	36.8
2000	14.4	-20.4	-17.2	-12.2	1.2	0.7	19.2	0.4	35.6
2100	14.0	-20.0	-17.2	-12.2	1.2	0.7	19.1	0.4	36.0
2200	13.7	-19.6	-17.0	-12.3	1.2	0.7	19.4	0.4	36.6
2300	13.3	-19.3	-16.8	-12.3	1.2	0.8	18.9	0.4	36.2
2400	13.0	-18.9	-16.7	-12.6	1.2	0.8	18.7	0.4	36.1
2500	12.6	-18.6	-16.7	-12.7	1.2	0.8	19.2	0.4	34.9
2600	12.3	-18.3	-16.4	-12.8	1.2	0.8	19.1	0.5	36.3
2700	12.0	-18.1	-15.9	-13.2	1.2	0.8	17.9	0.5	36.2
2800	11.6	-17.8	-15.2	-13.8	1.2	0.8	17.6	0.4	35.8
2900	11.4	-17.5	-14.8	-14.4	1.2	0.8	18.4	0.6	35.6
3000	11.2	-17.2	-14.5	-14.8	1.2	0.8	18.0	0.6	35.4
3100	10.9	-17.0	-14.1	-15.4	1.2	0.8	18.1	0.8	36.1
3200	10.6	-16.8	-13.5	-16.1	1.2	0.8	19.0	0.8	34.8
3300	10.4	-16.6	-12.7	-17.2	1.2	0.8	18.8	0.8	35.2
3400	10.2	-16.3	-12.0	-18.5	1.2	0.9	18.4	0.9	35.8
3500	10.0	-16.0	-11.5	-19.7	1.2	0.9	18.5	0.8	34.1
3600	9.8	-15.8	-11.2	-20.9	1.2	0.9	18.7	0.8	34.0
3700	9.6	-15.6	-10.7	-22.3	1.2	0.9	18.6	0.8	34.9
3800	9.4	-15.4	-10.3	-24.0	1.2	0.9	18.6	0.9	33.9
3900	9.2	-15.2	-9.9	-26.0	1.2	0.9	18.4	0.9	34.9
4000	9.0	-15.0	-9.6	-28.1	1.2	0.9	18.4	0.9	33.4

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: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 70\text{ mA}$, $I_{SHUTDOWN} = 0.0041\text{ }\mu\text{A}$ @ Temperature = $+25^{\circ}\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output Pout = +4
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
10	29.4	-34.0	-8.7	-25.7	1.0	0.8	21.9	1.2	35.0
20	29.3	-33.9	-8.7	-40.4	1.0	0.8	21.8	0.6	33.3
30	29.3	-34.0	-8.8	-36.8	1.0	0.8	21.3	0.5	34.3
40	29.3	-33.7	-8.8	-30.9	1.0	0.8	21.5	0.4	33.3
50	29.3	-33.6	-8.9	-28.0	1.0	0.7	21.6	0.4	34.0
60	29.2	-33.6	-9.0	-25.9	1.0	0.7	21.4	0.3	35.3
70	29.2	-33.5	-9.0	-24.5	1.0	0.7	21.4	0.3	35.0
80	29.2	-33.3	-9.1	-23.5	1.0	0.7	21.4	0.4	34.4
90	29.1	-33.3	-9.1	-22.6	1.0	0.7	21.4	0.3	34.1
100	29.0	-33.3	-9.2	-21.9	1.0	0.7	21.4	0.3	34.4
200	28.2	-32.7	-9.9	-17.7	1.1	0.7	21.4	0.3	34.7
250	27.6	-32.4	-10.4	-16.7	1.1	0.7	21.3	0.3	33.2
300	27.1	-32.0	-10.8	-15.8	1.1	0.7	21.3	0.3	34.8
350	26.5	-31.6	-11.3	-15.2	1.1	0.7	21.1	0.3	35.4
400	25.8	-31.1	-11.7	-14.8	1.1	0.7	20.7	0.3	35.4
450	25.3	-30.7	-12.2	-14.4	1.1	0.7	20.5	0.3	35.1
500	24.7	-30.2	-12.6	-14.2	1.2	0.7	20.5	0.3	36.5
550	24.1	-29.7	-13.0	-13.9	1.2	0.7	20.4	0.4	35.7
600	23.6	-29.2	-13.3	-13.7	1.2	0.7	20.3	0.4	35.5
650	23.1	-28.7	-13.7	-13.6	1.2	0.7	20.3	0.3	36.7
700	22.6	-28.2	-13.9	-13.4	1.2	0.7	20.0	0.3	37.1
750	22.1	-27.8	-14.2	-13.3	1.2	0.7	20.0	0.3	35.9
800	21.6	-27.3	-14.5	-13.2	1.2	0.7	19.7	0.3	36.8
850	21.2	-26.9	-14.7	-13.1	1.2	0.7	19.9	0.3	37.6
900	20.8	-26.5	-15.0	-13.0	1.2	0.7	19.8	0.3	35.9
950	20.4	-26.1	-15.1	-12.9	1.2	0.7	19.9	0.4	36.9
1000	20.0	-25.8	-15.4	-12.8	1.2	0.7	20.4	0.4	37.3
1050	19.6	-25.4	-15.5	-12.7	1.2	0.7	19.7	0.4	37.3
1100	19.2	-25.1	-15.8	-12.6	1.2	0.7	19.6	0.4	36.8
1150	18.9	-24.7	-15.9	-12.6	1.2	0.7	19.5	0.4	37.5
1200	18.6	-24.4	-16.0	-12.5	1.2	0.7	19.6	0.4	37.5
1250	18.2	-24.1	-16.3	-12.4	1.2	0.7	19.7	0.4	37.3
1300	17.9	-23.8	-16.3	-12.4	1.2	0.7	19.7	0.4	36.8
1350	17.6	-23.5	-16.5	-12.3	1.2	0.7	19.8	0.4	37.8
1400	17.4	-23.2	-16.6	-12.3	1.2	0.7	19.7	0.4	38.1
1450	17.1	-23.0	-16.6	-12.2	1.2	0.7	19.9	0.5	37.1
1500	16.8	-22.7	-16.9	-12.2	1.2	0.7	19.3	0.4	37.9
1550	16.5	-22.5	-16.9	-12.2	1.2	0.7	20.0	0.5	37.6
1600	16.3	-22.2	-17.1	-12.1	1.2	0.7	19.4	0.5	38.2
1650	16.0	-22.0	-17.1	-12.1	1.2	0.7	19.7	0.5	36.5
1700	15.8	-21.7	-17.1	-12.0	1.2	0.7	19.5	0.5	37.8
1750	15.6	-21.5	-17.3	-12.1	1.2	0.7	19.5	0.5	38.1
1800	15.3	-21.3	-17.2	-12.1	1.2	0.7	19.7	0.5	36.6
1850	15.1	-21.1	-17.4	-12.0	1.2	0.7	19.6	0.5	38.2
1900	14.9	-20.9	-17.4	-12.0	1.2	0.7	19.5	0.5	38.4
1950	14.7	-20.7	-17.4	-12.0	1.2	0.7	19.7	0.5	37.0
2000	14.5	-20.4	-17.5	-12.0	1.2	0.7	19.5	0.5	36.7
2100	14.1	-20.1	-17.5	-12.0	1.2	0.7	19.5	0.4	36.5
2200	13.7	-19.7	-17.3	-12.1	1.2	0.7	19.7	0.4	37.3
2300	13.4	-19.3	-17.1	-12.1	1.2	0.7	19.2	0.5	36.8
2400	13.0	-19.0	-17.0	-12.3	1.2	0.8	19.0	0.5	37.0
2500	12.7	-18.7	-16.9	-12.4	1.2	0.8	19.5	0.4	35.3
2600	12.4	-18.4	-16.7	-12.5	1.2	0.8	19.5	0.5	37.1
2700	12.0	-18.1	-16.1	-12.9	1.2	0.8	18.2	0.5	36.8
2800	11.7	-17.9	-15.4	-13.5	1.2	0.8	17.9	0.5	36.7
2900	11.5	-17.6	-15.0	-14.1	1.2	0.8	18.8	0.6	35.9
3000	11.2	-17.3	-14.7	-14.5	1.2	0.8	18.3	0.6	35.9
3100	11.0	-17.1	-14.3	-15.1	1.2	0.8	18.4	0.7	36.8
3200	10.7	-16.8	-13.7	-15.7	1.2	0.8	19.4	0.7	34.7
3300	10.4	-16.6	-12.8	-16.8	1.2	0.8	19.2	0.8	35.5
3400	10.2	-16.4	-12.1	-18.0	1.2	0.9	18.8	0.9	36.1
3500	10.0	-16.1	-11.7	-19.2	1.2	0.9	18.8	1.0	34.3
3600	9.9	-15.9	-11.3	-20.3	1.2	0.9	19.0	0.8	34.1
3700	9.7	-15.6	-10.9	-21.6	1.2	0.9	19.0	0.8	35.5
3800	9.5	-15.4	-10.4	-23.2	1.2	0.9	18.9	0.8	34.1
3900	9.3	-15.3	-10.0	-25.1	1.2	0.9	18.8	0.8	35.2
4000	9.1	-15.1	-9.7	-27.1	1.2	0.9	18.8	0.9	33.6

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: $V_{DD} = +5.25\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 68\text{ mA}$, $I_{SHUTDOWN} = 0.0043\text{ }\mu\text{A}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output Pout = +4
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
10	29.5	-34.3	-8.9	-25.3	1.0	0.8	22.4	1.2	34.1
20	29.4	-34.1	-8.9	-42.2	1.0	0.8	22.3	0.4	34.1
30	29.4	-34.0	-9.0	-37.9	1.0	0.8	21.8	0.5	34.1
40	29.4	-33.9	-9.0	-31.2	1.0	0.8	22.0	0.4	34.1
50	29.4	-33.7	-9.1	-28.4	1.0	0.7	22.1	0.3	34.3
60	29.3	-33.7	-9.1	-26.1	1.0	0.7	21.9	0.4	35.9
70	29.3	-33.6	-9.2	-24.6	1.0	0.7	21.9	0.3	35.8
80	29.3	-33.5	-9.2	-23.6	1.0	0.7	21.9	0.4	34.8
90	29.2	-33.4	-9.3	-22.6	1.0	0.7	21.9	0.4	34.3
100	29.1	-33.3	-9.4	-21.9	1.0	0.7	21.9	0.3	35.0
200	28.3	-32.8	-10.1	-17.5	1.1	0.7	21.9	0.3	35.7
250	27.7	-32.5	-10.6	-16.5	1.1	0.7	21.8	0.3	33.7
300	27.1	-32.1	-11.0	-15.6	1.1	0.7	21.8	0.3	35.5
350	26.5	-31.7	-11.5	-15.0	1.1	0.7	21.6	0.3	35.6
400	25.9	-31.2	-11.9	-14.6	1.1	0.7	21.2	0.3	36.3
450	25.3	-30.7	-12.4	-14.2	1.2	0.7	20.9	0.3	35.6
500	24.7	-30.2	-12.8	-14.0	1.2	0.7	20.9	0.3	37.4
550	24.2	-29.7	-13.2	-13.7	1.2	0.7	20.8	0.4	35.9
600	23.6	-29.2	-13.5	-13.5	1.2	0.7	20.7	0.3	36.5
650	23.1	-28.8	-13.9	-13.4	1.2	0.7	20.7	0.3	37.4
700	22.6	-28.3	-14.2	-13.2	1.2	0.7	20.4	0.3	37.6
750	22.1	-27.9	-14.5	-13.1	1.2	0.7	20.4	0.3	36.7
800	21.7	-27.4	-14.7	-13.0	1.2	0.7	20.0	0.3	37.3
850	21.3	-27.0	-15.0	-12.9	1.2	0.7	20.3	0.3	38.2
900	20.8	-26.6	-15.3	-12.8	1.2	0.7	20.2	0.3	36.8
950	20.4	-26.2	-15.4	-12.7	1.2	0.7	20.2	0.3	37.1
1000	20.0	-25.8	-15.6	-12.6	1.2	0.7	20.7	0.3	37.5
1050	19.7	-25.5	-15.7	-12.6	1.2	0.7	20.0	0.3	38.0
1100	19.3	-25.2	-16.0	-12.4	1.2	0.7	20.0	0.3	36.6
1150	19.0	-24.8	-16.2	-12.4	1.2	0.7	19.8	0.3	38.5
1200	18.6	-24.5	-16.3	-12.3	1.2	0.7	19.9	0.4	38.2
1250	18.3	-24.2	-16.5	-12.3	1.2	0.7	20.0	0.3	38.0
1300	18.0	-23.9	-16.5	-12.3	1.2	0.7	20.1	0.4	37.3
1350	17.7	-23.6	-16.8	-12.1	1.2	0.7	20.1	0.4	38.1
1400	17.4	-23.3	-16.9	-12.1	1.2	0.7	20.0	0.4	38.2
1450	17.1	-23.0	-16.9	-12.0	1.2	0.7	20.2	0.4	37.1
1500	16.9	-22.8	-17.2	-12.0	1.2	0.7	19.7	0.4	38.3
1550	16.6	-22.5	-17.1	-12.0	1.2	0.7	20.3	0.4	37.5
1600	16.3	-22.3	-17.3	-11.9	1.2	0.7	19.8	0.4	38.3
1650	16.1	-22.1	-17.4	-11.9	1.2	0.7	20.0	0.4	36.9
1700	15.8	-21.8	-17.4	-11.9	1.2	0.7	19.8	0.4	39.1
1750	15.6	-21.6	-17.6	-11.9	1.2	0.7	19.8	0.4	38.3
1800	15.4	-21.4	-17.4	-11.9	1.2	0.7	20.1	0.3	37.4
1850	15.2	-21.1	-17.7	-11.8	1.2	0.7	19.9	0.3	38.4
1900	14.9	-20.9	-17.6	-11.9	1.2	0.7	19.8	0.4	38.4
1950	14.7	-20.7	-17.7	-11.8	1.2	0.7	20.0	0.4	37.4
2000	14.5	-20.5	-17.8	-11.8	1.2	0.7	19.8	0.4	36.5
2100	14.1	-20.2	-17.8	-11.8	1.2	0.7	19.8	0.5	36.6
2200	13.8	-19.8	-17.5	-11.9	1.2	0.7	20.1	0.4	37.7
2300	13.4	-19.4	-17.3	-11.9	1.2	0.7	19.6	0.4	36.8
2400	13.1	-19.1	-17.2	-12.2	1.2	0.7	19.3	0.5	36.7
2500	12.8	-18.8	-17.2	-12.2	1.2	0.7	19.9	0.5	35.3
2600	12.4	-18.5	-16.9	-12.3	1.2	0.8	19.8	0.4	37.8
2700	12.1	-18.2	-16.3	-12.7	1.2	0.8	18.5	0.5	36.7
2800	11.7	-18.0	-15.7	-13.3	1.2	0.8	18.2	0.5	36.5
2900	11.6	-17.6	-15.2	-13.9	1.2	0.8	19.1	0.6	36.0
3000	11.3	-17.4	-14.9	-14.3	1.2	0.8	18.6	0.6	35.9
3100	11.0	-17.1	-14.5	-14.8	1.2	0.8	18.7	0.7	37.1
3200	10.8	-16.9	-13.8	-15.4	1.2	0.8	19.7	0.8	35.3
3300	10.5	-16.7	-13.0	-16.5	1.2	0.8	19.5	0.9	36.0
3400	10.3	-16.5	-12.2	-17.7	1.2	0.9	19.1	0.9	36.1
3500	10.1	-16.2	-11.8	-18.8	1.2	0.9	19.1	0.9	34.1
3600	9.9	-15.9	-11.4	-19.8	1.2	0.9	19.3	0.8	34.5
3700	9.7	-15.7	-11.0	-21.0	1.2	0.9	19.3	0.9	35.4
3800	9.6	-15.5	-10.5	-22.5	1.2	0.9	19.2	0.9	34.4
3900	9.4	-15.3	-10.1	-24.3	1.2	0.9	19.1	1.0	35.4
4000	9.2	-15.2	-9.8	-26.2	1.2	0.9	19.1	0.9	33.5

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: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 71\text{ mA}$, $I_{SHUTDOWN} = 0.0054\text{ }\mu\text{A}$ @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output Pout = +4
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
10	29.9	-34.0	-10.1	-24.1	1.0	0.7	22.3	1.5	30.2
20	29.9	-34.1	-9.8	-25.7	1.0	0.7	22.1	0.4	37.0
30	29.9	-34.4	-9.9	-26.0	1.0	0.8	21.4	0.5	35.7
40	29.9	-34.3	-9.9	-25.5	1.0	0.7	21.6	0.3	35.1
50	29.9	-34.1	-10.0	-24.8	1.0	0.7	21.7	0.3	34.5
60	29.8	-34.0	-10.0	-23.9	1.0	0.7	21.5	0.3	36.0
70	29.8	-34.0	-10.1	-23.1	1.0	0.7	21.5	0.3	36.1
80	29.7	-33.9	-10.2	-22.3	1.0	0.7	21.5	0.3	35.1
90	29.7	-33.8	-10.2	-21.7	1.0	0.7	21.5	0.3	34.5
100	29.6	-33.7	-10.3	-21.0	1.0	0.7	21.5	0.3	35.4
200	28.7	-33.2	-11.0	-17.1	1.1	0.7	21.6	0.3	35.8
250	28.2	-32.9	-11.5	-16.1	1.1	0.7	21.6	0.2	34.1
300	27.6	-32.5	-12.0	-15.3	1.1	0.7	21.7	0.2	35.9
350	26.9	-32.0	-12.5	-14.7	1.1	0.7	21.6	0.3	36.3
400	26.3	-31.5	-12.9	-14.3	1.1	0.7	21.5	0.2	37.1
450	25.7	-31.0	-13.4	-13.9	1.2	0.7	21.2	0.2	37.1
500	25.1	-30.5	-13.8	-13.6	1.2	0.7	21.0	0.3	37.9
550	24.5	-30.0	-14.2	-13.3	1.2	0.7	21.2	0.3	37.0
600	24.0	-29.5	-14.6	-13.2	1.2	0.7	21.1	0.2	36.8
650	23.5	-29.0	-14.9	-13.0	1.1	0.7	21.0	0.2	38.1
700	23.0	-28.5	-15.2	-12.9	1.1	0.7	20.8	0.2	38.1
750	22.5	-28.0	-15.5	-12.8	1.1	0.7	20.8	0.2	37.0
800	22.0	-27.6	-15.7	-12.7	1.1	0.7	20.4	0.2	37.3
850	21.6	-27.1	-16.0	-12.6	1.1	0.7	20.6	0.2	38.4
900	21.2	-26.7	-16.3	-12.5	1.1	0.7	20.4	0.2	36.5
950	20.8	-26.4	-16.4	-12.4	1.1	0.7	20.6	0.2	38.4
1000	20.4	-26.0	-16.7	-12.4	1.1	0.7	21.2	0.2	38.0
1050	20.0	-25.6	-16.7	-12.3	1.1	0.7	20.3	0.2	38.3
1100	19.6	-25.3	-17.0	-12.2	1.1	0.7	20.3	0.2	38.0
1150	19.3	-24.9	-17.1	-12.2	1.1	0.7	20.1	0.2	39.1
1200	19.0	-24.6	-17.3	-12.1	1.1	0.7	20.3	0.3	38.4
1250	18.6	-24.3	-17.5	-12.1	1.1	0.7	20.3	0.3	38.3
1300	18.3	-24.0	-17.5	-12.1	1.1	0.7	20.4	0.2	39.3
1350	18.0	-23.7	-17.7	-12.0	1.1	0.7	20.4	0.3	38.2
1400	17.7	-23.4	-17.8	-12.0	1.1	0.7	20.3	0.3	39.1
1450	17.4	-23.1	-17.9	-11.9	1.1	0.7	20.5	0.3	38.8
1500	17.2	-22.9	-18.1	-11.9	1.1	0.7	19.9	0.3	40.5
1550	16.9	-22.6	-18.1	-11.8	1.1	0.7	20.6	0.2	38.6
1600	16.6	-22.3	-18.3	-11.8	1.1	0.7	20.0	0.2	39.5
1650	16.4	-22.1	-18.3	-11.8	1.1	0.7	20.2	0.2	39.4
1700	16.1	-21.9	-18.3	-11.7	1.1	0.7	20.0	0.3	39.5
1750	15.9	-21.6	-18.5	-11.7	1.1	0.7	20.0	0.4	39.0
1800	15.7	-21.4	-18.5	-11.6	1.1	0.7	20.3	0.3	38.7
1850	15.5	-21.2	-18.6	-11.6	1.1	0.7	20.1	0.3	40.1
1900	15.2	-21.0	-18.6	-11.6	1.1	0.7	20.0	0.3	40.3
1950	15.0	-20.8	-18.6	-11.6	1.1	0.7	20.2	0.4	39.3
2000	14.8	-20.6	-18.7	-11.6	1.1	0.7	19.9	0.3	39.0
2100	14.4	-20.2	-18.7	-11.5	1.1	0.7	20.0	0.3	38.7
2200	14.1	-19.8	-18.5	-11.5	1.1	0.7	20.2	0.3	38.0
2300	13.7	-19.4	-18.4	-11.6	1.1	0.7	19.6	0.2	38.7
2400	13.3	-19.1	-18.2	-11.8	1.1	0.7	19.5	0.3	37.6
2500	13.0	-18.8	-17.9	-11.9	1.1	0.7	19.7	0.3	38.2
2600	12.7	-18.5	-17.5	-12.1	1.1	0.7	19.8	0.4	38.5
2700	12.4	-18.2	-17.1	-12.3	1.1	0.7	18.7	0.4	38.3
2800	12.0	-17.9	-16.5	-12.8	1.2	0.8	18.8	0.4	38.9
2900	11.8	-17.6	-15.9	-13.6	1.1	0.8	19.0	0.5	38.5
3000	11.6	-17.3	-15.5	-13.7	1.1	0.8	18.8	0.4	37.5
3100	11.3	-17.1	-14.9	-14.4	1.2	0.8	18.9	0.5	39.1
3200	11.0	-16.9	-14.2	-15.1	1.2	0.8	19.7	0.5	36.7
3300	10.8	-16.7	-13.3	-16.2	1.2	0.8	19.5	0.6	37.6
3400	10.6	-16.4	-12.4	-17.4	1.2	0.8	19.1	0.6	38.1
3500	10.4	-16.1	-11.8	-18.5	1.1	0.8	19.1	0.6	36.2
3600	10.2	-15.9	-11.4	-19.5	1.1	0.8	19.3	0.6	36.3
3700	10.0	-15.7	-10.9	-20.9	1.1	0.8	19.3	0.6	37.3
3800	9.8	-15.5	-10.5	-22.5	1.1	0.9	19.2	0.6	35.9
3900	9.6	-15.3	-10.1	-24.3	1.1	0.9	19.1	0.6	37.0
4000	9.5	-15.1	-9.7	-26.1	1.1	0.9	19.1	0.6	35.8

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: $V_{DD} = +5\text{ V}$, $V_{SHUTDOWN} = 0\text{ V}$, $I_{DD} = 72\text{ mA}$, $I_{SHUTDOWN} = 0.0014\text{ }\mu\text{A}$ @ Temperature = 105°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Noise Figure	IP-3 Output Pout = +4
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
10	28.9	-33.5	-7.9	-22.2	1.0	0.8	21.0	1.3	34.2
20	28.8	-33.4	-8.0	-25.4	1.0	0.8	21.1	0.6	34.3
30	28.8	-33.5	-8.0	-25.0	1.0	0.8	20.6	0.7	33.7
40	28.8	-33.4	-8.1	-24.1	1.0	0.8	20.9	0.5	32.9
50	28.8	-33.4	-8.2	-23.1	1.0	0.8	21.1	0.4	33.7
60	28.7	-33.1	-8.2	-22.3	1.0	0.7	21.0	0.5	34.6
70	28.7	-33.1	-8.3	-21.6	1.0	0.7	20.9	0.5	34.6
80	28.6	-33.1	-8.3	-21.0	1.0	0.7	21.0	0.5	34.2
90	28.6	-33.0	-8.4	-20.5	1.0	0.7	21.0	0.5	33.8
100	28.5	-32.9	-8.4	-20.1	1.0	0.7	21.1	0.5	34.0
200	27.7	-32.4	-9.2	-16.9	1.1	0.7	20.9	0.5	34.7
250	27.2	-32.1	-9.6	-16.2	1.1	0.7	20.8	0.4	33.3
300	26.6	-31.7	-10.0	-15.4	1.1	0.7	20.7	0.5	34.7
350	26.0	-31.3	-10.5	-14.9	1.1	0.7	20.3	0.5	36.5
400	25.4	-30.9	-10.9	-14.6	1.1	0.7	20.1	0.4	35.7
450	24.9	-30.4	-11.4	-14.2	1.1	0.7	19.8	0.4	37.4
500	24.3	-29.9	-11.8	-14.0	1.2	0.7	19.7	0.5	38.8
550	23.8	-29.5	-12.1	-13.7	1.2	0.7	19.7	0.6	36.5
600	23.2	-29.0	-12.5	-13.6	1.2	0.7	19.6	0.5	36.2
650	22.7	-28.5	-12.8	-13.5	1.2	0.7	19.6	0.5	37.7
700	22.2	-28.1	-13.1	-13.3	1.2	0.7	19.4	0.5	38.5
750	21.8	-27.7	-13.4	-13.2	1.2	0.7	19.4	0.5	36.6
800	21.3	-27.2	-13.6	-13.1	1.2	0.7	19.0	0.5	37.0
850	20.9	-26.8	-13.9	-13.0	1.2	0.7	19.2	0.5	39.7
900	20.5	-26.4	-14.1	-13.0	1.2	0.7	19.1	0.5	37.1
950	20.1	-26.1	-14.3	-12.8	1.2	0.7	19.2	0.5	36.7
1000	19.7	-25.7	-14.5	-12.8	1.2	0.8	19.7	0.5	37.5
1050	19.3	-25.4	-14.6	-12.7	1.2	0.8	19.0	0.5	38.4
1100	19.0	-25.0	-14.8	-12.7	1.2	0.8	19.0	0.6	36.5
1150	18.6	-24.7	-15.0	-12.7	1.2	0.8	18.8	0.5	37.0
1200	18.3	-24.4	-15.1	-12.5	1.2	0.8	19.0	0.6	37.9
1250	18.0	-24.1	-15.3	-12.6	1.2	0.8	19.0	0.6	38.0
1300	17.7	-23.8	-15.4	-12.5	1.2	0.8	19.1	0.6	36.1
1350	17.4	-23.5	-15.5	-12.4	1.2	0.8	19.1	0.6	37.7
1400	17.1	-23.2	-15.7	-12.4	1.2	0.8	19.0	0.6	37.4
1450	16.8	-23.0	-15.7	-12.3	1.2	0.8	19.2	0.7	36.5
1500	16.5	-22.7	-15.9	-12.3	1.2	0.8	18.7	0.6	37.4
1550	16.3	-22.5	-15.9	-12.3	1.2	0.8	19.3	0.6	37.7
1600	16.0	-22.2	-16.1	-12.2	1.2	0.8	18.8	0.6	38.1
1650	15.7	-22.0	-16.1	-12.3	1.2	0.8	19.0	0.6	36.1
1700	15.5	-21.8	-16.1	-12.1	1.2	0.8	18.9	0.6	38.1
1750	15.3	-21.5	-16.3	-12.2	1.2	0.8	18.8	0.7	37.7
1800	15.0	-21.3	-16.2	-12.2	1.2	0.8	19.1	0.6	36.7
1850	14.8	-21.1	-16.4	-12.1	1.2	0.8	18.9	0.7	37.2
1900	14.6	-20.9	-16.4	-12.2	1.2	0.8	18.8	0.7	37.6
1950	14.4	-20.7	-16.3	-12.1	1.2	0.8	19.0	0.6	36.8
2000	14.2	-20.5	-16.4	-12.1	1.2	0.8	18.8	0.6	35.2
2100	13.8	-20.1	-16.4	-12.1	1.2	0.8	18.8	0.7	36.5
2200	13.4	-19.7	-16.3	-12.1	1.2	0.8	19.0	0.7	36.5
2300	13.1	-19.4	-16.2	-12.2	1.2	0.8	18.5	0.7	36.2
2400	12.7	-19.1	-16.0	-12.4	1.2	0.8	18.4	0.7	36.3
2500	12.4	-18.8	-15.9	-12.5	1.2	0.8	18.7	0.7	34.3
2600	12.1	-18.4	-15.7	-12.7	1.2	0.8	18.6	0.8	35.9
2700	11.8	-18.2	-15.3	-12.9	1.2	0.8	17.6	0.8	35.3
2800	11.4	-17.9	-14.8	-13.6	1.2	0.8	17.5	0.9	34.4
2900	11.2	-17.6	-14.4	-14.1	1.2	0.8	18.2	0.9	34.9
3000	10.9	-17.4	-14.1	-14.4	1.2	0.8	17.7	1.0	34.0
3100	10.7	-17.1	-13.7	-15.1	1.2	0.8	17.8	1.0	35.4
3200	10.4	-16.9	-13.2	-15.8	1.2	0.8	18.6	1.1	33.9
3300	10.1	-16.7	-12.4	-16.9	1.2	0.9	18.4	1.2	34.4
3400	9.9	-16.4	-11.8	-18.0	1.2	0.9	18.0	1.2	34.8
3500	9.7	-16.2	-11.4	-19.0	1.2	0.9	18.0	1.1	32.9
3600	9.6	-15.9	-11.0	-19.9	1.2	0.9	18.2	1.1	33.4
3700	9.4	-15.7	-10.6	-21.1	1.2	0.9	18.2	1.1	34.0
3800	9.2	-15.5	-10.2	-22.7	1.2	0.9	18.1	1.2	33.1
3900	9.0	-15.3	-9.8	-24.3	1.2	0.9	18.0	1.3	33.9
4000	8.8	-15.2	-9.5	-25.6	1.2	0.9	18.0	1.2	32.4