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} = 24 mA, $I_{SHUTDOWN}$ = 0.007 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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	24.6	-33.8	-2.6	-4.0	0.7	0.8	14.3	0.5	23.5
900	24.2	-33.2	-2.9	-4.3	0.7	0.8	14.9	0.4	23.2
1000	23.7	-32.6	-3.3	-4.5	0.7	0.8	14.8	0.4	23.5
1100	23.3	-32.1	-3.7	-4.7	0.8	0.8	14.7	0.4	23.5
1200	22.8	-31.7	-4.0	-4.9	0.8	0.8	14.9	0.5	23.4
1300	22.4	-31.2	-4.3	-5.1	0.8	0.8	14.9	0.4	23.4
1400	22.0	-30.9	-4.6	-5.3	0.8	0.8	14.7	0.5	23.6
1500	21.6	-30.5	-4.9	-5.4	0.9	0.8	15.0	0.5	23.5
1600	21.2	-30.1	-5.2	-5.6	0.9	0.8	14.8	0.4	24.0
1700	20.8	-29.8	-5.4	-5.7	0.9	0.8	14.9	0.4	24.1
1800	20.5	-29.5	-5.7	-5.9	1.0	0.8	15.2	0.4	24.3
1900	20.2	-29.3	-5.9	-6.0	1.0	0.8	14.9	0.6	23.8
2000	19.8	-29.0	-6.1	-6.2	1.0	0.8	14.8	0.4	24.8
2100	19.5	-28.6	-6.3	-6.3	1.0	0.8	15.0	0.5	24.4
2200	19.2	-28.4	-6.5	-6.4	1.0	0.8	15.2	0.5	24.5
2300	19.0	-28.2	-6.6	-6.7	1.1	0.9	14.8	0.5	24.6
2400	18.7	-27.9	-6.8	-6.8	1.1	0.9	15.2	0.5	24.5
2500	18.4	-27.7	-6.9	-7.0	1.1	0.9	15.2	0.5	24.8
2600	18.1	-27.5	-7.0	-7.4	1.1	0.9	15.1	0.5	24.5
2700	17.9	-27.2	-7.0	-7.6	1.1	0.9	15.1	0.6	24.7
2800	17.6	-27.0	-7.0	-8.0	1.2	0.9	15.2	0.6	24.8
2900	17.5	-26.7	-7.0	-8.4	1.2	0.9	15.0	0.7	25.4
3000	17.3	-26.5	-7.1	-8.5	1.2	0.9	14.8	0.6	26.0
3100	17.1	-26.2	-7.1	-8.9	1.2	1.0	14.9	0.6	25.8
3200	16.9	-26.0	-7.0	-9.4	1.2	1.0	15.0	0.6	25.6
3300	16.8	-25.8	-6.9	-9.7	1.2	1.0	15.0	0.5	26.1
3400	16.6	-25.6	-6.8	-10.2	1.2	1.0	15.1	0.6	25.8
3500	16.4	-25.4	-6.7	-10.6	1.2	1.0	15.0	0.7	25.5
3600	16.2	-25.2	-6.6	-11.0	1.2	1.0	15.0	0.7	24.6
3700	15.7	-25.2	-6.3	-11.6	1.2	1.1	14.8	0.7	25.0
3800	15.7	-25.1	-6.1	-13.1	1.2	1.1	15.2	0.8	25.5
3900	15.6	-24.8	-6.0	-13.7	1.2	1.1	15.1	0.7	25.3
4000	15.4	-24.6	-5.9	-14.5	1.2	1.1	14.7	0.7	25.2
4250	14.9	-24.3	-5.5	-16.9	1.2	1.2	14.9	0.8	24.8
4500	14.4	-24.1	-5.2	-19.3	1.2	1.2	14.7	0.9	24.9
4750	13.9	-23.8	-4.9	-20.2	1.2	1.3	14.8	0.8	24.4
5000	13.4	-23.7	-4.8	-18.7	1.2	1.3	14.9	1.0	24.6
5250	12.9	-23.5	-4.7	-16.5	1.2	1.3	14.7	1.1	24.9
5500	12.4	-23.3	-4.7	-14.4	1.2	1.3	14.8	1.3	24.4
5750	11.9	-23.1	-4.8	-12.6	1.2	1.3	14.6	1.5	24.0
6000	11.4	-23.0	-4.9	-11.2	1.2	1.2	14.8	1.7	25.3
7000	10.2	-22.0	-5.2	-8.2	1.3	1.1	14.7	1.7	23.4
7500	10.4	-21.1	-6.4	-8.1	1.3	1.0	14.1	1.7	23.4
8000	10.9	-20.0	-6.7	-9.9	1.3	1.0	13.5	1.4	22.4

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} = +3 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 28 mA, $I_{SHUTDOWN}$ = 0.0062 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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	25.2	-34.6	-2.8	-4.0	0.7	0.8	15.7	0.5	25.2
900	24.8	-33.9	-3.2	-4.3	0.7	0.8	16.2	0.4	25.1
1000	24.3	-33.4	-3.6	-4.5	0.8	0.8	16.2	0.5	25.4
1100	23.8	-32.8	-3.9	-4.7	0.8	0.8	16.2	0.4	25.3
1200	23.4	-32.4	-4.3	-4.8	0.8	0.8	16.3	0.5	25.3
1300	22.9	-31.9	-4.6	-5.0	0.9	0.8	16.4	0.5	25.3
1400	22.5	-31.5	-4.9	-5.2	0.9	0.8	16.2	0.5	25.6
1500	22.1	-31.1	-5.3	-5.3	0.9	0.8	16.5	0.4	25.5
1600	21.7	-30.9	-5.6	-5.4	0.9	0.8	16.4	0.4	26.1
1700	21.3	-30.5	-5.8	-5.6	1.0	0.8	16.4	0.4	26.3
1800	21.0	-30.2	-6.1	-5.7	1.0	0.8	16.6	0.4	26.5
1900	20.6	-29.9	-6.3	-5.8	1.0	0.8	16.4	0.5	26.0
2000	20.3	-29.6	-6.5	-6.0	1.0	0.8	16.3	0.4	27.0
2100	20.0	-29.3	-6.7	-6.1	1.0	0.8	16.4	0.5	26.7
2200	19.7	-29.0	-6.9	-6.2	1.1	0.8	16.7	0.4	26.9
2300	19.4	-28.7	-7.1	-6.4	1.1	0.8	16.3	0.5	27.0
2400	19.1	-28.5	-7.2	-6.5	1.1	0.8	16.7	0.5	26.8
2500	18.9	-28.2	-7.4	-6.7	1.1	0.8	16.6	0.5	27.2
2600	18.5	-28.0	-7.5	-7.1	1.1	0.9	16.6	0.5	26.9
2700	18.3	-27.8	-7.5	-7.3	1.2	0.9	16.5	0.5	27.1
2800	18.0	-27.6	-7.5	-7.6	1.2	0.9	16.6	0.5	27.2
2900	17.9	-27.2	-7.5	-8.0	1.2	0.9	16.4	0.5	27.6
3000	17.7	-26.9	-7.6	-8.1	1.2	0.9	16.2	0.6	28.2
3100	17.6	-26.8	-7.6	-8.5	1.2	0.9	16.3	0.6	27.5
3200	17.4	-26.5	-7.5	-8.9	1.2	0.9	16.4	0.5	27.9
3300	17.2	-26.2	-7.4	-9.2	1.2	1.0	16.4	0.5	28.2
3400	17.0	-26.0	-7.3	-9.6	1.2	1.0	16.5	0.6	28.0
3500	16.9	-25.8	-7.2	-10.0	1.2	1.0	16.3	0.6	27.7
3600	16.6	-25.6	-7.1	-10.4	1.2	1.0	16.4	0.6	26.8
3700	16.2	-25.7	-6.7	-10.8	1.2	1.0	16.0	0.7	27.2
3800	16.2	-25.4	-6.5	-12.2	1.2	1.1	16.4	0.7	27.6
3900	16.1	-25.2	-6.4	-12.8	1.2	1.1	16.4	0.6	27.5
4000	15.9	-25.0	-6.3	-13.5	1.2	1.1	15.8	0.7	27.2
4250	15.4	-24.7	-5.8	-15.6	1.2	1.2	16.1	0.7	26.8
4500	14.9	-24.3	-5.5	-17.8	1.2	1.2	15.8	0.8	26.8
4750	14.5	-24.1	-5.2	-18.9	1.2	1.2	15.9	0.8	26.2
5000	13.9	-23.9	-5.0	-18.0	1.2	1.3	16.0	0.9	26.7
5250	13.4	-23.7	-4.9	-16.1	1.2	1.3	15.9	1.0	26.8
5500	12.9	-23.5	-4.9	-14.1	1.2	1.3	15.8	1.5	26.4
5750	12.4	-23.4	-5.0	-12.4	1.2	1.2	15.6	1.4	26.1
6000	11.9	-23.1	-5.1	-10.9	1.2	1.2	16.0	1.7	27.3
7000	10.7	-22.2	-5.4	-7.9	1.2	1.1	15.7	1.5	25.7
7500	10.8	-21.3	-6.5	-7.7	1.3	1.0	15.2	1.6	25.5
8000	11.4	-20.2	-6.8	-9.3	1.3	1.0	14.5	1.3	24.2

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} = +3.3 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 32 mA, $I_{SHUTDOWN}$ = 0.0062 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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	25.7	-35.2	-3.0	-4.0	0.7	0.7	16.9	0.4	26.8
900	25.2	-34.7	-3.4	-4.2	0.8	0.7	17.5	0.4	26.7
1000	24.7	-34.1	-3.8	-4.4	0.8	0.8	17.5	0.4	27.2
1100	24.2	-33.5	-4.2	-4.6	0.8	0.8	17.4	0.4	27.1
1200	23.8	-33.0	-4.6	-4.7	0.9	0.8	17.6	0.4	27.1
1300	23.3	-32.7	-4.9	-4.9	0.9	0.8	17.7	0.4	27.1
1400	22.9	-32.3	-5.2	-5.0	0.9	0.8	17.5	0.4	27.5
1500	22.5	-31.8	-5.6	-5.1	0.9	0.8	17.8	0.4	27.3
1600	22.1	-31.4	-5.9	-5.3	1.0	0.8	17.7	0.4	28.0
1700	21.7	-31.1	-6.1	-5.4	1.0	0.8	17.7	0.3	28.1
1800	21.3	-30.8	-6.4	-5.5	1.0	0.8	18.0	0.4	28.2
1900	21.0	-30.4	-6.7	-5.6	1.0	0.8	17.7	0.4	27.9
2000	20.6	-30.2	-6.9	-5.7	1.1	0.8	17.5	0.4	29.0
2100	20.3	-29.9	-7.1	-5.8	1.1	0.8	17.7	0.4	28.7
2200	20.0	-29.6	-7.3	-5.9	1.1	0.8	17.9	0.4	28.9
2300	19.7	-29.3	-7.5	-6.1	1.1	0.8	17.6	0.4	29.1
2400	19.5	-29.0	-7.7	-6.2	1.1	0.8	18.0	0.5	28.9
2500	19.2	-28.7	-7.8	-6.3	1.1	0.8	17.8	0.5	29.1
2600	18.9	-28.5	-7.9	-6.7	1.2	0.8	17.8	0.5	29.0
2700	18.7	-28.3	-7.9	-6.9	1.2	0.8	17.7	0.5	29.2
2800	18.4	-28.1	-7.9	-7.3	1.2	0.9	17.9	0.5	29.4
2900	18.2	-27.7	-8.0	-7.6	1.2	0.9	17.7	0.5	30.0
3000	18.1	-27.4	-8.0	-7.7	1.2	0.9	17.4	0.5	30.9
3100	17.9	-27.2	-8.1	-8.0	1.2	0.9	17.5	0.5	30.3
3200	17.7	-27.0	-7.9	-8.4	1.2	0.9	17.6	0.5	30.6
3300	17.6	-26.7	-7.9	-8.7	1.2	0.9	17.6	0.5	30.9
3400	17.4	-26.4	-7.8	-9.0	1.2	0.9	17.6	0.5	30.6
3500	17.2	-26.2	-7.6	-9.4	1.2	1.0	17.4	0.6	30.4
3600	17.0	-26.0	-7.5	-9.7	1.2	1.0	17.5	0.6	29.4
3700	16.6	-26.1	-7.0	-10.1	1.2	1.0	17.1	0.7	29.8
3800	16.5	-25.8	-6.8	-11.4	1.2	1.1	17.6	0.7	30.2
3900	16.4	-25.5	-6.8	-12.0	1.2	1.1	17.4	0.6	30.1
4000	16.3	-25.3	-6.6	-12.6	1.2	1.1	16.9	0.6	29.6
4250	15.8	-24.9	-6.1	-14.5	1.2	1.1	17.1	0.7	29.1
4500	15.3	-24.6	-5.7	-16.3	1.2	1.2	16.9	0.7	29.0
4750	14.9	-24.4	-5.4	-17.4	1.2	1.2	17.0	0.6	28.1
5000	14.4	-24.2	-5.2	-17.0	1.2	1.2	17.0	0.8	29.0
5250	13.8	-24.0	-5.1	-15.4	1.2	1.2	16.9	0.9	29.1
5500	13.3	-23.8	-5.1	-13.6	1.2	1.2	16.7	1.1	28.7
5750	12.8	-23.6	-5.2	-12.0	1.2	1.2	16.5	1.3	28.2
6000	12.4	-23.4	-5.2	-10.6	1.2	1.2	16.9	1.5	29.6
7000	11.1	-22.5	-5.5	-7.5	1.2	1.0	16.6	1.4	27.9
7500	11.2	-21.6	-6.6	-7.3	1.3	0.9	16.1	1.4	27.7
8000	11.7	-20.5	-6.9	-8.7	1.2	0.9	15.3	1.2	26.1

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} = +4.75 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 50 mA, $I_{SHUTDOWN}$ = 0.006 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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	26.8	-37.4	-3.6	-3.7	0.8	0.7	20.9	0.4	32.5
900	26.3	-36.8	-4.0	-3.9	0.9	0.7	21.4	0.4	32.5
1000	25.7	-36.3	-4.5	-4.0	0.9	0.7	21.4	0.4	32.7
1100	25.2	-35.6	-5.0	-4.1	0.9	0.7	21.3	0.4	32.8
1200	24.7	-35.1	-5.4	-4.3	1.0	0.7	21.5	0.4	32.7
1300	24.2	-34.7	-5.8	-4.4	1.0	0.7	21.8	0.4	32.6
1400	23.7	-34.3	-6.1	-4.5	1.0	0.7	21.5	0.4	32.8
1500	23.3	-33.8	-6.5	-4.5	1.0	0.7	21.9	0.4	33.0
1600	22.9	-33.5	-6.9	-4.6	1.1	0.7	21.7	0.3	33.2
1700	22.4	-33.0	-7.2	-4.7	1.1	0.7	21.8	0.3	33.3
1800	22.1	-32.7	-7.5	-4.8	1.1	0.7	22.0	0.4	33.5
1900	21.7	-32.3	-7.8	-4.8	1.1	0.7	21.7	0.4	33.3
2000	21.4	-32.0	-8.0	-4.9	1.1	0.7	21.4	0.4	34.7
2100	21.0	-31.6	-8.3	-5.0	1.1	0.7	21.6	0.4	34.0
2200	20.7	-31.4	-8.5	-5.0	1.2	0.7	21.9	0.4	34.0
2300	20.4	-31.0	-8.7	-5.2	1.2	0.7	21.4	0.4	34.0
2400	20.1	-30.7	-8.9	-5.2	1.2	0.7	21.8	0.4	34.0
2500	19.9	-30.4	-9.1	-5.3	1.2	0.7	21.7	0.4	34.1
2600	19.5	-30.2	-9.2	-5.7	1.2	0.8	21.7	0.4	34.1
2700	19.3	-29.9	-9.2	-5.8	1.2	0.8	21.4	0.5	34.4
2800	19.0	-29.7	-9.2	-6.1	1.3	0.8	21.7	0.5	34.6
2900	18.9	-29.3	-9.3	-6.3	1.3	0.8	21.5	0.5	34.6
3000	18.7	-28.9	-9.3	-6.3	1.2	0.8	21.2	0.4	34.7
3100	18.6	-28.7	-9.4	-6.6	1.3	0.8	21.2	0.5	33.7
3200	18.4	-28.5	-9.2	-6.9	1.3	0.8	21.4	0.5	34.6
3300	18.3	-28.2	-9.1	-7.1	1.2	0.8	21.3	0.4	35.5
3400	18.1	-27.9	-9.0	-7.3	1.2	0.9	21.4	0.5	35.0
3500	17.9	-27.6	-8.8	-7.6	1.2	0.9	21.2	0.6	34.6
3600	17.7	-27.4	-8.6	-7.8	1.2	0.9	21.2	0.6	34.5
3700	17.3	-27.5	-8.1	-8.1	1.3	0.9	20.6	0.6	35.0
3800	17.3	-27.1	-7.9	-9.1	1.3	1.0	21.3	0.6	35.6
3900	17.2	-26.8	-7.8	-9.5	1.3	1.0	21.1	0.5	35.5
4000	17.1	-26.5	-7.6	-9.9	1.2	1.0	20.4	0.6	35.6
4250	16.7	-26.1	-7.0	-11.2	1.2	1.1	20.6	0.6	35.6
4500	16.3	-25.7	-6.4	-12.5	1.2	1.1	20.5	0.7	36.0
4750	15.8	-25.4	-6.0	-13.4	1.2	1.2	20.6	0.6	36.3
5000	15.4	-25.1	-5.8	-13.4	1.2	1.2	20.7	0.7	36.6
5250	14.9	-24.9	-5.6	-12.6	1.2	1.2	20.5	0.8	36.5
5500	14.3	-24.7	-5.5	-11.5	1.2	1.2	20.4	1.0	36.7
5750	13.8	-24.5	-5.6	-10.2	1.2	1.2	20.0	1.2	36.5
6000	13.3	-24.3	-5.7	-9.0	1.2	1.1	20.6	1.3	37.9
7000	11.9	-23.4	-5.9	-6.4	1.2	1.0	20.1	1.3	38.1
7500	12.0	-22.6	-6.8	-6.1	1.2	0.8	19.6	1.4	37.2
8000	12.6	-21.4	-7.0	-7.1	1.2	0.9	18.6	1.0	37.0

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 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 55 mA, $I_{SHUTDOWN}$ = 0.0067 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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	26.9	-37.7	-3.6	-3.7	0.8	0.7	21.5	0.4	32.7
900	26.4	-37.1	-4.1	-3.8	0.9	0.7	21.8	0.4	33.2
1000	25.8	-36.3	-4.6	-4.0	0.9	0.7	21.8	0.4	33.2
1100	25.2	-35.7	-5.0	-4.1	0.9	0.7	21.8	0.4	33.2
1200	24.8	-35.4	-5.5	-4.2	1.0	0.7	22.0	0.4	33.2
1300	24.2	-34.9	-5.9	-4.3	1.0	0.7	22.2	0.3	33.3
1400	23.8	-34.4	-6.2	-4.4	1.0	0.7	22.0	0.4	33.6
1500	23.3	-34.1	-6.6	-4.5	1.1	0.7	22.3	0.3	33.4
1600	22.9	-33.7	-7.0	-4.5	1.1	0.7	22.2	0.3	33.5
1700	22.5	-33.2	-7.3	-4.6	1.1	0.7	22.2	0.4	33.6
1800	22.1	-32.8	-7.6	-4.7	1.1	0.7	22.5	0.4	33.7
1900	21.8	-32.5	-7.9	-4.7	1.1	0.7	22.2	0.4	33.5
2000	21.4	-32.2	-8.2	-4.8	1.2	0.7	21.9	0.4	34.4
2100	21.1	-31.8	-8.4	-4.9	1.2	0.7	22.0	0.4	34.4
2200	20.8	-31.5	-8.6	-5.0	1.2	0.7	22.3	0.4	34.3
2300	20.5	-31.2	-8.8	-5.1	1.2	0.7	21.9	0.4	34.2
2400	20.2	-30.9	-9.0	-5.1	1.2	0.7	22.3	0.4	34.4
2500	19.9	-30.7	-9.2	-5.3	1.2	0.7	22.1	0.4	34.3
2600	19.6	-30.5	-9.3	-5.6	1.3	0.8	22.1	0.4	33.9
2700	19.4	-30.1	-9.3	-5.7	1.3	0.8	21.8	0.5	34.1
2800	19.1	-29.9	-9.4	-6.0	1.3	0.8	22.2	0.4	34.2
2900	19.0	-29.4	-9.4	-6.2	1.3	0.8	21.9	0.5	34.4
3000	18.8	-29.1	-9.5	-6.2	1.2	0.8	21.7	0.5	34.2
3100	18.6	-28.9	-9.5	-6.5	1.3	0.8	21.7	0.4	33.6
3200	18.5	-28.7	-9.4	-6.7	1.3	0.8	21.9	0.4	34.4
3300	18.3	-28.3	-9.3	-6.9	1.2	0.8	21.8	0.4	35.1
3400	18.1	-28.0	-9.1	-7.2	1.2	0.9	21.9	0.5	34.7
3500	18.0	-27.8	-9.0	-7.4	1.2	0.9	21.6	0.6	34.2
3600	17.8	-27.5	-8.7	-7.7	1.2	0.9	21.7	0.6	34.0
3700	17.3	-27.6	-8.1	-7.9	1.3	0.9	21.1	0.6	34.5
3800	17.4	-27.2	-8.0	-8.9	1.3	1.0	21.8	0.6	35.0
3900	17.3	-26.9	-7.9	-9.2	1.3	1.0	21.6	0.6	35.1
4000	17.2	-26.7	-7.6	-9.7	1.2	1.0	20.9	0.6	34.9
4250	16.8	-26.2	-7.0	-10.9	1.2	1.1	21.2	0.6	35.3
4500	16.3	-25.8	-6.5	-12.2	1.2	1.1	21.0	0.6	35.3
4750	15.9	-25.5	-6.1	-13.0	1.2	1.2	21.1	0.6	35.1
5000	15.4	-25.3	-5.8	-13.1	1.2	1.2	21.2	0.7	35.8
5250	14.9	-25.0	-5.6	-12.4	1.2	1.2	21.1	0.9	35.6
5500	14.4	-24.8	-5.6	-11.2	1.2	1.2	21.0	1.0	35.9
5750	13.9	-24.6	-5.6	-10.0	1.2	1.2	20.7	1.2	35.9
6000	13.4	-24.4	-5.7	-8.9	1.2	1.1	21.1	1.4	36.6
7000	12.0	-23.5	-5.9	-6.2	1.2	1.0	20.7	1.4	37.3
7500	12.1	-22.7	-6.8	-5.9	1.2	0.8	20.1	1.4	36.5
8000	12.7	-21.5	-7.1	-6.9	1.2	0.9	19.2	1.1	35.7

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} = 58 mA, $I_{SHUTDOWN}$ = 0.0077 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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	27.0	-37.7	-3.7	-3.7	0.9	0.7	21.9	0.4	33.4
900	26.4	-37.2	-4.2	-3.8	0.9	0.7	22.2	0.4	33.4
1000	25.8	-36.5	-4.7	-4.0	0.9	0.7	22.2	0.4	33.3
1100	25.3	-35.9	-5.1	-4.1	0.9	0.7	22.1	0.4	33.7
1200	24.8	-35.4	-5.6	-4.2	1.0	0.7	22.3	0.4	33.7
1300	24.3	-35.1	-5.9	-4.3	1.0	0.7	22.5	0.3	33.7
1400	23.9	-34.5	-6.3	-4.4	1.0	0.7	22.3	0.4	33.8
1500	23.4	-34.2	-6.7	-4.4	1.1	0.7	22.7	0.4	33.6
1600	23.0	-33.8	-7.1	-4.5	1.1	0.7	22.6	0.3	33.8
1700	22.6	-33.4	-7.4	-4.6	1.1	0.7	22.6	0.3	33.9
1800	22.2	-33.1	-7.7	-4.6	1.1	0.7	22.8	0.4	33.9
1900	21.8	-32.7	-8.0	-4.7	1.1	0.7	22.6	0.4	33.6
2000	21.5	-32.3	-8.3	-4.8	1.2	0.7	22.2	0.4	34.7
2100	21.1	-32.0	-8.5	-4.8	1.2	0.7	22.4	0.4	34.4
2200	20.8	-31.6	-8.7	-4.9	1.2	0.7	22.7	0.4	34.3
2300	20.5	-31.4	-8.9	-5.0	1.2	0.7	22.3	0.3	34.2
2400	20.2	-31.1	-9.1	-5.1	1.2	0.7	22.7	0.4	34.3
2500	19.9	-30.8	-9.3	-5.2	1.2	0.7	22.5	0.5	34.5
2600	19.6	-30.6	-9.4	-5.5	1.3	0.7	22.5	0.4	34.2
2700	19.4	-30.3	-9.4	-5.6	1.3	0.8	22.2	0.5	34.1
2800	19.1	-30.1	-9.5	-5.9	1.3	0.8	22.6	0.4	34.0
2900	19.0	-29.6	-9.5	-6.1	1.3	0.8	22.3	0.5	34.8
3000	18.8	-29.2	-9.6	-6.1	1.3	0.8	22.1	0.5	34.3
3100	18.7	-29.0	-9.6	-6.4	1.3	0.8	22.1	0.5	33.6
3200	18.5	-28.8	-9.5	-6.6	1.3	0.8	22.4	0.4	34.2
3300	18.4	-28.4	-9.4	-6.8	1.3	0.8	22.2	0.4	34.8
3400	18.2	-28.1	-9.2	-7.0	1.2	0.8	22.3	0.5	34.6
3500	18.0	-27.9	-9.1	-7.3	1.3	0.9	22.1	0.6	34.4
3600	17.8	-27.7	-8.8	-7.5	1.2	0.9	22.2	0.6	33.9
3700	17.4	-27.7	-8.2	-7.8	1.3	0.9	21.5	0.6	34.4
3800	17.4	-27.4	-8.1	-8.7	1.3	1.0	22.2	0.6	35.0
3900	17.3	-27.0	-7.9	-9.1	1.2	1.0	22.0	0.5	34.8
4000	17.2	-26.8	-7.7	-9.5	1.3	1.0	21.4	0.5	34.5
4250	16.8	-26.3	-7.1	-10.7	1.2	1.1	21.6	0.6	34.6
4500	16.4	-25.9	-6.6	-11.9	1.2	1.1	21.4	0.6	35.1
4750	16.0	-25.6	-6.1	-12.7	1.2	1.1	21.6	0.6	34.7
5000	15.5	-25.3	-5.9	-12.8	1.2	1.2	21.7	0.8	35.2
5250	15.0	-25.1	-5.7	-12.2	1.2	1.2	21.5	0.9	35.8
5500	14.5	-24.9	-5.6	-11.1	1.2	1.2	21.5	1.0	35.1
5750	14.0	-24.7	-5.6	-9.9	1.2	1.2	21.1	1.2	35.6
6000	13.5	-24.5	-5.7	-8.7	1.2	1.1	21.6	1.4	36.4
7000	12.1	-23.6	-5.9	-6.2	1.1	0.9	21.1	1.4	36.4
7500	12.2	-22.8	-6.8	-5.8	1.2	0.8	20.6	1.4	35.8
8000	12.8	-21.6	-7.1	-6.8	1.2	0.9	19.7	1.0	35.1

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 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 59 mA, $I_{SHUTDOWN}$ = 0.006 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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	27.9	-38.8	-3.9	-3.5	0.8	0.6	21.4	0.2	34.2
900	27.3	-38.1	-4.4	-3.7	0.8	0.6	21.7	0.2	34.5
1000	26.7	-37.4	-4.9	-3.8	0.8	0.6	21.5	0.2	34.7
1100	26.2	-36.8	-5.4	-3.9	0.9	0.6	21.5	0.1	34.9
1200	25.7	-36.4	-5.8	-4.0	0.9	0.6	21.7	0.2	34.7
1300	25.2	-35.9	-6.2	-4.0	0.9	0.6	22.0	0.2	34.5
1400	24.7	-35.4	-6.7	-4.1	0.9	0.6	21.8	0.1	34.7
1500	24.3	-35.0	-7.1	-4.1	1.0	0.6	22.2	0.2	34.7
1600	23.8	-34.5	-7.5	-4.2	1.0	0.6	22.1	0.1	35.0
1700	23.4	-34.1	-7.8	-4.3	1.0	0.6	22.1	0.1	35.0
1800	23.0	-33.7	-8.2	-4.3	1.0	0.6	22.4	0.1	35.1
1900	22.6	-33.4	-8.5	-4.3	1.1	0.6	22.1	0.2	34.8
2000	22.3	-33.0	-8.8	-4.4	1.1	0.6	21.7	0.1	35.7
2100	22.0	-32.6	-9.2	-4.5	1.1	0.6	21.9	0.1	35.1
2200	21.7	-32.3	-9.5	-4.5	1.1	0.6	22.2	0.2	35.1
2300	21.4	-32.0	-9.7	-4.6	1.1	0.6	21.8	0.1	35.0
2400	21.1	-31.6	-10.0	-4.7	1.1	0.6	22.2	0.2	34.9
2500	20.8	-31.3	-10.2	-4.8	1.1	0.7	22.0	0.2	35.0
2600	20.5	-31.1	-10.4	-5.0	1.2	0.7	22.1	0.2	34.9
2700	20.2	-30.7	-10.5	-5.2	1.2	0.7	21.7	0.2	34.8
2800	20.0	-30.5	-10.5	-5.6	1.2	0.7	22.0	0.2	34.6
2900	19.9	-30.1	-10.7	-5.6	1.2	0.7	21.8	0.2	35.2
3000	19.7	-29.8	-10.8	-5.8	1.2	0.7	21.4	0.2	35.2
3100	19.6	-29.5	-10.8	-5.9	1.2	0.7	21.6	0.2	34.6
3200	19.4	-29.2	-10.7	-6.2	1.2	0.8	21.8	0.1	34.9
3300	19.3	-28.8	-10.6	-6.3	1.2	0.8	21.6	0.1	35.2
3400	19.1	-28.5	-10.5	-6.6	1.2	0.8	21.7	0.2	34.7
3500	18.9	-28.3	-10.3	-6.8	1.2	0.8	21.5	0.2	34.2
3600	18.8	-28.0	-10.0	-7.0	1.2	0.8	21.6	0.2	33.9
3700	18.4	-28.0	-9.4	-7.2	1.2	0.8	20.8	0.3	34.2
3800	18.4	-27.7	-9.1	-8.1	1.2	0.9	21.7	0.3	34.6
3900	18.3	-27.4	-9.1	-8.4	1.2	0.9	21.5	0.2	34.5
4000	18.2	-27.1	-8.8	-8.8	1.2	0.9	20.7	0.2	33.5
4250	17.8	-26.6	-8.1	-9.9	1.2	1.0	20.9	0.3	33.4
4500	17.4	-26.1	-7.5	-10.9	1.2	1.0	20.8	0.3	33.2
4750	17.1	-25.8	-7.0	-11.6	1.2	1.1	21.0	0.2	32.4
5000	16.6	-25.5	-6.6	-11.9	1.2	1.1	21.3	0.3	33.2
5250	16.1	-25.2	-6.4	-11.5	1.2	1.1	21.0	0.4	32.9
5500	15.6	-25.0	-6.3	-10.6	1.2	1.1	20.9	0.6	32.8
5750	15.1	-24.8	-6.3	-9.5	1.1	1.1	20.5	0.7	32.4
6000	14.6	-24.6	-6.3	-8.4	1.1	1.1	21.0	0.9	33.4
7000	13.2	-23.7	-6.4	-5.8	1.1	0.9	20.5	0.8	32.7
7500	13.2	-22.9	-7.1	-5.3	1.1	0.8	19.9	0.8	31.5
8000	13.6	-21.8	-7.2	-6.0	1.1	0.8	18.9	0.6	30.0

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 V, $V_{SHUTDOWN}$ = 0 V, I_{DD} = 55 mA, $I_{SHUTDOWN}$ = 0.004 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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	26.3	-37.2	-3.4	-3.6	0.8	0.7	20.7	0.4	32.1
900	25.8	-36.5	-3.9	-3.8	0.9	0.7	20.8	0.4	32.3
1000	25.2	-35.9	-4.3	-3.9	0.9	0.7	20.9	0.5	32.4
1100	24.7	-35.5	-4.8	-4.1	0.9	0.7	20.8	0.5	32.6
1200	24.2	-35.0	-5.2	-4.2	1.0	0.7	21.0	0.5	32.6
1300	23.7	-34.5	-5.6	-4.3	1.0	0.7	21.1	0.6	32.7
1400	23.3	-34.2	-5.9	-4.4	1.0	0.7	21.0	0.5	32.8
1500	22.9	-33.7	-6.3	-4.4	1.0	0.7	21.2	0.5	32.7
1600	22.4	-33.5	-6.6	-4.5	1.1	0.7	21.2	0.5	33.2
1700	22.0	-33.1	-6.9	-4.6	1.1	0.7	21.2	0.5	33.4
1800	21.6	-32.7	-7.2	-4.7	1.1	0.7	21.5	0.5	33.6
1900	21.3	-32.3	-7.5	-4.8	1.1	0.7	21.2	0.6	33.3
2000	20.9	-32.1	-7.7	-4.9	1.2	0.7	21.1	0.5	34.3
2100	20.6	-31.8	-8.0	-4.9	1.2	0.7	21.2	0.6	34.6
2200	20.3	-31.4	-8.2	-5.0	1.2	0.7	21.4	0.6	34.5
2300	20.0	-31.1	-8.4	-5.1	1.2	0.7	21.2	0.6	34.5
2400	19.7	-30.8	-8.5	-5.2	1.2	0.7	21.5	0.6	34.2
2500	19.4	-30.5	-8.7	-5.3	1.2	0.7	21.4	0.6	34.5
2600	19.2	-30.4	-8.8	-5.6	1.3	0.8	21.4	0.6	34.4
2700	18.9	-30.1	-8.8	-5.8	1.3	0.8	21.1	0.6	34.5
2800	18.7	-29.8	-8.9	-6.0	1.3	0.8	21.5	0.6	34.7
2900	18.5	-29.4	-9.0	-6.1	1.3	0.8	21.3	0.6	34.4
3000	18.3	-29.1	-9.0	-6.3	1.3	0.8	21.0	0.7	35.4
3100	18.2	-28.9	-8.9	-6.5	1.3	0.8	21.1	0.7	34.7
3200	18.0	-28.6	-8.9	-6.7	1.3	0.8	21.4	0.7	35.3
3300	17.9	-28.3	-8.8	-6.9	1.3	0.9	21.3	0.7	36.0
3400	17.7	-28.0	-8.7	-7.1	1.3	0.9	21.3	0.8	35.5
3500	17.5	-27.8	-8.6	-7.4	1.3	0.9	21.1	0.8	35.1
3600	17.3	-27.6	-8.4	-7.7	1.3	0.9	21.2	0.9	34.6
3700	16.8	-27.7	-7.7	-8.1	1.3	1.0	20.6	0.8	35.2
3800	16.9	-27.2	-7.7	-8.9	1.3	1.0	21.3	0.9	35.9
3900	16.8	-26.9	-7.6	-9.3	1.3	1.0	21.1	0.8	35.5
4000	16.7	-26.8	-7.4	-9.8	1.3	1.0	20.5	0.8	35.4
4250	16.3	-26.3	-6.8	-11.1	1.3	1.1	20.7	0.9	35.4
4500	15.9	-26.0	-6.3	-12.4	1.3	1.1	20.5	0.9	35.8
4750	15.4	-25.7	-5.9	-13.1	1.3	1.2	20.7	0.9	35.5
5000	14.9	-25.4	-5.7	-13.0	1.3	1.2	20.8	1.1	36.0
5250	14.4	-25.2	-5.5	-12.2	1.3	1.2	20.6	1.3	36.2
5500	13.9	-25.0	-5.4	-11.0	1.3	1.2	20.6	1.4	36.4
5750	13.4	-24.8	-5.4	-9.8	1.3	1.2	20.3	1.6	36.0
6000	12.9	-24.6	-5.5	-8.7	1.2	1.1	20.7	1.8	37.0
7000	11.5	-23.7	-5.7	-6.2	1.2	1.0	20.4	1.8	36.8
7500	11.5	-23.0	-6.7	-6.0	1.3	0.9	19.9	2.1	36.1
8000	12.3	-21.6	-7.0	-7.1	1.2	0.9	19.0	1.6	35.0

Typical Performance Data on 3400-3800 MHz Matching Test Board

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} = 55 mA, $I_{SHUTDOWN}$ = 0.0067 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
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dB)	(dBm)
800	-4.2	-65.6	-0.3	-0.6	13.3	0.3	8.8	9.1	22.2
900	-2.0	-62.7	-0.3	-0.7	7.8	0.3	10.9	7.9	21.1
1000	-0.1	-60.4	-0.3	-0.8	6.4	0.3	10.3	6.9	23.8
1100	1.7	-57.4	-0.3	-0.9	4.6	0.4	13.4	6.2	25.1
1200	3.4	-56.9	-0.4	-1.0	4.6	0.4	14.1	5.5	26.9
1300	5.0	-53.8	-0.4	-1.2	3.4	0.4	14.8	4.3	28.7
1400	6.4	-51.0	-0.4	-1.3	2.6	0.5	15.4	3.7	28.6
1500	7.8	-49.1	-0.5	-1.4	2.3	0.5	16.0	3.1	31.1
1600	9.1	-46.7	-0.6	-1.5	2.1	0.5	16.5	2.8	31.4
1700	10.4	-44.7	-0.7	-1.7	1.8	0.6	17.1	2.4	32.3
1800	11.7	-42.7	-0.8	-1.8	1.6	0.6	17.4	2.0	33.3
1900	12.8	-40.8	-1.0	-2.0	1.5	0.6	17.7	1.8	32.8
2000	13.9	-39.0	-1.2	-2.2	1.4	0.6	17.8	1.5	33.4
2100	15.0	-37.4	-1.4	-2.4	1.4	0.7	18.0	1.4	33.8
2200	16.0	-35.8	-1.8	-2.7	1.3	0.7	18.3	1.3	33.7
2300	16.8	-34.3	-2.2	-3.1	1.3	0.7	18.7	1.1	33.7
2400	17.5	-33.0	-2.8	-3.5	1.3	0.7	18.8	1.0	33.8
2500	18.1	-31.9	-3.4	-4.0	1.3	0.7	19.1	0.9	33.7
2600	18.5	-31.1	-4.2	-4.8	1.3	0.7	18.9	0.8	33.0
2700	18.9	-30.1	-5.1	-5.3	1.3	0.7	18.7	0.8	33.3
2800	19.0	-29.5	-6.1	-6.1	1.3	0.7	19.1	0.7	33.6
2900	19.2	-28.8	-7.0	-6.8	1.3	0.7	19.2	0.7	33.2
3000	19.3	-28.2	-8.0	-7.3	1.3	0.7	19.6	0.6	33.4
3100	19.3	-27.7	-9.0	-7.9	1.3	0.7	19.6	0.6	32.6
3200	19.3	-27.3	-9.8	-8.6	1.3	0.8	19.6	0.5	33.0
3300	19.2	-26.9	-10.5	-9.2	1.3	0.8	19.4	0.5	33.4
3400	19.1	-26.6	-10.9	-9.8	1.2	0.8	19.2	0.5	33.1
3500	18.9	-26.3	-11.1	-10.6	1.2	0.8	19.8	0.5	32.9
3600	18.8	-26.0	-11.1	-11.2	1.2	0.8	20.0	0.5	32.1
3700	18.6	-25.9	-11.1	-11.9	1.2	0.9	18.9	0.5	32.6
3800	18.4	-25.7	-11.0	-12.6	1.2	0.9	19.8	0.4	33.1
3900	18.3	-25.5	-10.8	-13.4	1.2	0.9	19.5	0.5	32.7
4000	18.1	-25.3	-10.5	-14.1	1.2	0.9	19.4	0.5	32.7
4250	17.6	-24.9	-9.9	-16.1	1.2	0.9	19.4	0.5	32.5
4500	17.2	-24.5	-9.3	-17.6	1.2	1.0	19.8	0.5	32.7
4750	16.7	-24.3	-8.8	-17.5	1.2	1.0	19.8	0.4	32.4
5000	16.2	-24.0	-8.4	-16.0	1.2	1.0	19.7	0.5	32.6
5250	15.7	-23.8	-8.1	-14.1	1.2	1.0	19.8	0.6	32.8
5500	15.2	-23.7	-8.0	-12.4	1.2	1.0	19.6	0.8	32.5
5750	14.6	-23.5	-8.1	-10.9	1.2	1.0	19.4	0.8	32.5
6000	14.1	-23.3	-8.3	-9.6	1.2	1.0	20.1	1.0	33.6
7000	12.5	-22.5	-11.3	-6.4	1.3	0.8	19.5	1.3	33.1
7500	12.5	-21.9	-9.6	-6.7	1.2	0.8	19.4	1.1	33.1
8000	13.1	-20.7	-13.1	-7.6	1.2	0.8	18.5	0.7	32.3