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_{BYP} = +5 V, I_{DD} = 108mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Power at Saturation Output	Noise Figure	IP-3 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)	(dBm)
10	16.5	-30.8	-13.3	-10.7	2.4	0.9	9.9	12.6	10.6	21.0
20	18.0	-29.6	-15.6	-10.7	1.8	0.9	11.9	14.2	6.1	23.0
30	18.6	-28.7	-19.7	-10.0	1.6	0.8	13.0	15.5	3.9	24.3
40	18.8	-28.4	-22.6	-9.8	1.5	0.8	13.3	16.0	3.2	26.6
50	18.9	-28.3	-24.2	-9.8	1.5	0.8	13.7	16.3	3.2	24.3
60	18.9	-28.1	-25.0	-9.8	1.5	0.8	13.7	16.4	2.4	24.9
70	19.0	-28.1	-25.3	-9.8	1.5	0.8	14.0	16.6	2.2	26.2
80	19.0	-28.1	-25.3	-9.9	1.5	0.8	14.3	16.9	2.0	25.8
90	19.0	-27.9	-25.3	-9.9	1.4	0.8	14.1	16.7	2.0	26.3
100	19.0	-27.9	-25.0	-9.9	1.4	0.8	14.3	16.9	2.1	25.6
200	19.0	-27.9	-24.0	-10.1	1.4	0.8	14.6	17.0	1.5	27.2
300	19.0	-27.7	-22.0	-10.4	1.4	0.8	14.8	17.2	1.3	27.7
400	19.0	-27.9	-23.1	-10.3	1.4	0.8	14.8	17.1	1.3	27.1
500	19.1	-27.9	-22.3	-10.5	1.5	0.8	14.7	17.1	1.3	27.1
600	19.0	-27.9	-21.5	-10.6	1.5	0.8	14.6	17.0	1.2	26.6
700	19.0	-28.0	-20.8	-10.8	1.5	0.8	14.6	17.0	1.2	28.5
800	19.0	-28.0	-20.1	-11.0	1.5	0.8	14.7	17.1	1.2	27.7
900	19.0	-28.1	-19.5	-11.2	1.5	0.8	14.5	17.1	1.3	27.9
1000	18.9	-28.1	-19.0	-11.4	1.5	0.8	14.6	17.1	1.3	29.2
1200	18.9	-28.2	-18.0	-11.9	1.5	0.8	14.4	17.0	1.3	27.3
1400	18.9	-28.3	-17.0	-12.5	1.5	0.9	14.4	17.1	1.2	27.6
1600	18.9	-28.4	-16.1	-13.2	1.6	0.9	14.3	17.0	1.3	26.4
1800	18.9	-28.5	-15.3	-13.9	1.6	0.9	14.1	17.0	1.3	26.8
2000	18.9	-28.6	-14.7	-14.6	1.6	0.9	14.0	16.9	1.4	25.9
2200	18.9	-28.7	-14.2	-15.4	1.6	0.9	14.2	17.1	1.4	26.7
2400	18.8	-28.8	-13.7	-16.1	1.7	0.9	13.9	16.9	1.3	25.7
2600	18.8	-28.8	-13.2	-16.7	1.7	1.0	13.9	17.0	1.4	25.9
2800	18.8	-28.9	-12.9	-17.2	1.7	1.0	13.8	17.0	1.4	24.9
3000	18.8	-29.0	-12.5	-17.6	1.7	1.0	13.6	16.9	1.4	26.0
3200	18.8	-29.1	-12.2	-17.8	1.8	1.0	13.6	16.8	1.5	25.6
3400	18.8	-29.2	-12.1	-17.9	1.8	1.0	13.5	16.8	1.5	24.3
3600	18.8	-29.2	-12.0	-18.1	1.8	1.0	13.5	16.9	1.5	25.2
3800	18.8	-29.3	-11.8	-18.1	1.8	1.0	13.5	16.8	1.5	24.3
4000	18.7	-29.4	-11.7	-18.1	1.9	1.0	13.5	16.8	1.5	25.0
4200	18.7	-29.4	-11.7	-18.0	1.9	1.0	13.4	16.7	1.5	24.8
4400	18.7	-29.5	-11.8	-17.9	1.9	1.0	13.5	16.9	1.6	25.2
4600	18.7	-29.5	-11.9	-18.0	1.9	1.0	13.5	16.8	1.6	24.9
4800	18.7	-29.6	-11.9	-18.0	2.0	1.0	13.5	16.9	1.6	24.8
5000	18.7	-29.6	-11.8	-17.8	2.0	1.0	13.5	16.9	1.6	24.7
5200	18.6	-29.7	-11.6	-17.6	2.0	1.0	13.5	16.8	1.6	25.6
5400	18.6	-29.8	-11.6	-17.2	2.1	1.0	13.5	16.7	1.6	24.6
5600	18.6	-29.9	-11.6	-16.8	2.1	1.0	13.3	16.6	1.7	24.3
5800	18.6	-30.0	-11.5	-16.5	2.1	1.0	13.2	16.4	1.7	24.6
6000	18.5	-30.0	-11.2	-16.1	2.1	1.0	13.1	16.3	1.7	24.7
6200	18.5	-30.1	-10.8	-15.7	2.2	1.0	13.1	16.2	1.7	24.4
6400	18.5	-30.3	-10.4	-15.4	2.2	1.0	13.1	16.0	1.7	24.2
6600	18.5	-30.4	-10.0	-15.1	2.3	1.0	13.1	15.9	1.8	24.3
6800	18.4	-30.6	-9.7	-14.7	2.4	1.0	13.0	15.5	1.8	24.4
7000	18.4	-30.8	-9.6	-14.4	2.5	1.0	12.7	15.3	1.9	24.0
7200	18.4	-31.1	-9.3	-14.3	2.6	1.0	12.6	15.3	1.9	24.3
7400	18.4	-31.2	-9.0	-14.6	2.6	1.1	12.4	15.2	2.0	23.8
7600	18.4	-31.3	-8.9	-14.7	2.8	1.1	12.4	15.2	2.1	23.5
7800	18.3	-31.6	-8.7	-15.1	3.0	1.1	12.2	14.9	2.2	23.8
8000	18.3	-32.2	-8.7	-15.6	3.4	1.1	11.9	14.5	2.3	23.4

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 V, V_{BYP} = +5 V, I_{DD} = 123mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Power at Saturation Output	Noise Figure	IP-3 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)	(dBm)
10	16.8	-31.1	-12.5	-10.8	2.4	0.9	8.3	12.4	10.5	21.2
20	18.2	-30.0	-14.7	-10.7	1.9	0.9	11.4	14.1	5.9	21.6
30	18.9	-29.2	-18.1	-10.0	1.6	0.8	13.2	15.5	3.8	27.2
40	19.1	-28.8	-19.7	-9.8	1.5	0.8	13.8	16.3	3.0	24.1
50	19.2	-28.9	-20.4	-9.8	1.6	0.8	14.3	16.8	3.2	24.8
60	19.2	-28.7	-20.7	-9.8	1.5	0.8	14.3	17.0	2.4	24.9
70	19.3	-28.7	-20.5	-9.8	1.5	0.8	14.7	17.2	2.1	26.1
80	19.3	-28.5	-20.4	-9.9	1.5	0.8	15.0	17.5	1.9	25.8
90	19.3	-28.5	-20.4	-9.9	1.5	0.8	14.8	17.3	1.9	25.7
100	19.3	-28.4	-20.2	-9.9	1.5	0.8	15.0	17.5	2.0	27.5
200	19.3	-28.3	-19.7	-10.1	1.5	0.8	15.3	17.7	1.5	29.5
300	19.4	-28.2	-18.6	-10.3	1.5	0.8	15.5	17.8	1.3	26.2
400	19.3	-28.3	-19.5	-10.3	1.5	0.8	15.5	17.8	1.3	27.3
500	19.3	-28.3	-19.3	-10.5	1.5	0.8	15.5	17.7	1.3	30.3
600	19.3	-28.4	-19.0	-10.6	1.5	0.8	15.4	17.6	1.2	28.7
700	19.3	-28.4	-18.8	-10.8	1.5	0.8	15.4	17.7	1.2	28.1
800	19.3	-28.4	-18.6	-11.0	1.5	0.8	15.5	17.8	1.2	28.4
900	19.3	-28.5	-18.2	-11.2	1.5	0.8	15.3	17.7	1.2	29.6
1000	19.3	-28.5	-18.0	-11.4	1.5	0.8	15.4	17.8	1.3	29.2
1200	19.3	-28.6	-17.5	-12.0	1.5	0.8	15.2	17.6	1.3	28.2
1400	19.3	-28.7	-17.2	-12.6	1.6	0.9	15.2	17.7	1.2	27.4
1600	19.3	-28.8	-16.7	-13.3	1.6	0.9	15.1	17.7	1.3	29.8
1800	19.3	-28.9	-16.2	-14.0	1.6	0.9	14.9	17.6	1.3	28.4
2000	19.2	-29.0	-15.8	-14.8	1.6	0.9	14.9	17.5	1.3	27.7
2200	19.2	-29.1	-15.5	-15.6	1.7	0.9	15.1	17.7	1.4	28.7
2400	19.2	-29.2	-15.1	-16.4	1.7	0.9	14.8	17.5	1.4	27.8
2600	19.2	-29.2	-14.7	-17.2	1.7	0.9	14.8	17.6	1.4	27.3
2800	19.1	-29.3	-14.4	-17.8	1.7	0.9	14.7	17.6	1.4	26.7
3000	19.1	-29.4	-14.1	-18.3	1.8	1.0	14.6	17.5	1.4	27.1
3200	19.0	-29.4	-13.9	-18.7	1.8	1.0	14.5	17.4	1.4	27.0
3400	18.9	-29.5	-13.7	-18.9	1.8	1.0	14.5	17.4	1.5	26.7
3600	18.9	-29.6	-13.7	-19.2	1.8	1.0	14.5	17.4	1.5	26.4
3800	18.9	-29.6	-13.6	-19.5	1.9	1.0	14.5	17.4	1.5	26.4
4000	18.8	-29.7	-13.4	-19.7	1.9	1.0	14.5	17.3	1.5	25.9
4200	18.7	-29.9	-13.2	-19.9	1.9	1.0	14.4	17.3	1.5	26.3
4400	18.5	-30.0	-13.2	-19.7	2.0	1.0	14.5	17.4	1.5	25.8
4600	18.5	-29.8	-13.5	-20.1	2.0	1.0	14.5	17.3	1.6	26.1
4800	18.5	-30.0	-13.3	-20.2	2.0	1.0	14.5	17.4	1.6	26.3
5000	18.5	-30.0	-12.9	-20.1	2.0	1.0	14.5	17.3	1.6	26.5
5200	18.4	-30.0	-12.5	-19.9	2.0	1.0	14.5	17.2	1.6	26.8
5400	18.3	-30.2	-12.1	-19.5	2.1	1.0	14.4	17.1	1.6	27.0
5600	18.2	-30.3	-11.9	-18.8	2.2	1.0	14.2	16.9	1.7	26.5
5800	18.2	-30.4	-11.7	-18.4	2.2	1.0	14.1	16.9	1.7	25.6
6000	18.2	-30.6	-11.2	-18.0	2.2	1.0	14.0	16.7	1.8	25.5
6200	18.2	-30.7	-10.7	-17.4	2.2	1.0	13.9	16.5	1.7	24.9
6400	18.2	-30.7	-10.2	-16.8	2.3	1.0	13.9	16.3	1.7	26.5
6600	18.1	-31.0	-9.8	-16.3	2.3	1.0	13.9	16.2	1.8	25.8
6800	18.0	-31.1	-9.5	-15.8	2.4	1.0	13.8	15.8	1.8	25.6
7000	18.0	-31.4	-9.5	-15.4	2.6	1.0	13.6	15.6	1.9	24.9
7200	18.0	-31.6	-9.3	-15.3	2.7	1.1	13.4	15.7	1.9	25.6
7400	18.0	-31.8	-9.2	-15.5	2.8	1.1	13.2	15.6	1.9	25.5
7600	18.0	-32.0	-9.2	-15.6	2.9	1.1	13.2	15.5	2.0	24.7
7800	17.8	-32.2	-9.1	-16.2	3.1	1.1	13.0	15.2	2.2	24.8
8000	17.4	-32.9	-9.2	-17.1	3.6	1.1	12.6	14.8	2.3	24.1

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} = +5.25 V, V_{BYP} = +5 V, I_{DD} = 139mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Power at Saturation Output	Noise Figure	IP-3 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)	(dBm)
10	16.6	-31.6	-12.3	-11.9	2.6	0.9	8.2	12.4	10.9	18.5
20	18.0	-30.4	-14.6	-11.7	2.0	0.9	11.3	14.1	6.2	21.8
30	18.6	-29.6	-17.5	-11.0	1.8	0.8	13.1	15.5	4.1	24.2
40	18.8	-29.4	-18.9	-10.8	1.7	0.8	13.8	16.2	3.3	25.7
50	18.8	-29.2	-19.2	-10.8	1.6	0.8	14.2	16.8	3.3	24.1
60	18.9	-29.1	-19.2	-10.8	1.6	0.8	14.2	16.9	2.5	25.6
70	18.9	-29.1	-19.1	-10.8	1.6	0.8	14.6	17.2	2.2	26.9
80	18.9	-28.9	-19.0	-10.9	1.6	0.8	14.9	17.5	2.0	25.3
90	18.9	-29.0	-18.9	-10.9	1.6	0.8	14.6	17.3	2.1	26.2
100	19.0	-28.9	-18.7	-10.9	1.6	0.8	14.9	17.4	2.1	27.4
200	19.0	-28.8	-18.3	-11.1	1.6	0.8	15.2	17.6	1.6	28.1
300	19.0	-28.6	-17.3	-11.4	1.5	0.8	15.4	17.8	1.4	28.8
400	19.0	-28.8	-18.1	-11.3	1.6	0.8	15.4	17.7	1.4	29.3
500	19.0	-28.8	-18.0	-11.5	1.6	0.8	15.3	17.7	1.4	27.4
600	19.0	-28.8	-17.9	-11.7	1.6	0.8	15.2	17.6	1.3	29.8
700	18.9	-28.9	-17.8	-11.9	1.6	0.8	15.2	17.6	1.3	27.3
800	18.9	-28.9	-17.6	-12.0	1.6	0.8	15.3	17.7	1.3	30.7
900	18.9	-29.0	-17.4	-12.3	1.6	0.8	15.2	17.6	1.4	29.6
1000	18.9	-29.0	-17.4	-12.5	1.6	0.9	15.3	17.7	1.3	28.8
1200	18.9	-29.1	-17.1	-13.1	1.7	0.9	15.1	17.5	1.3	28.3
1400	18.9	-29.2	-16.7	-13.8	1.7	0.9	15.1	17.6	1.2	28.8
1600	18.9	-29.3	-16.4	-14.7	1.7	0.9	15.0	17.6	1.3	29.4
1800	18.9	-29.4	-15.9	-15.5	1.8	0.9	14.8	17.5	1.4	28.2
2000	18.9	-29.5	-15.6	-16.5	1.8	0.9	14.8	17.5	1.4	27.6
2200	18.9	-29.6	-15.2	-17.4	1.8	0.9	14.9	17.7	1.4	27.2
2400	18.8	-29.6	-15.0	-18.4	1.8	0.9	14.6	17.5	1.4	27.5
2600	18.8	-29.8	-14.6	-19.2	1.9	1.0	14.6	17.5	1.4	27.1
2800	18.8	-29.9	-14.3	-19.8	1.9	1.0	14.6	17.5	1.4	28.1
3000	18.8	-30.0	-14.0	-20.1	1.9	1.0	14.4	17.4	1.5	27.7
3200	18.8	-30.1	-13.7	-20.3	2.0	1.0	14.4	17.3	1.5	27.4
3400	18.8	-30.2	-13.5	-20.3	2.0	1.0	14.3	17.3	1.5	28.0
3600	18.8	-30.2	-13.5	-20.4	2.0	1.0	14.4	17.3	1.6	27.3
3800	18.8	-30.3	-13.3	-20.4	2.0	1.0	14.4	17.3	1.6	26.9
4000	18.8	-30.4	-13.2	-20.3	2.1	1.0	14.3	17.3	1.5	26.7
4200	18.7	-30.5	-13.1	-20.1	2.1	1.0	14.2	17.2	1.6	27.2
4400	18.7	-30.5	-13.2	-20.0	2.2	1.0	14.3	17.3	1.6	26.7
4600	18.7	-30.6	-13.4	-20.1	2.2	1.0	14.3	17.2	1.6	26.3
4800	18.7	-30.7	-13.3	-20.1	2.2	1.0	14.3	17.2	1.7	26.7
5000	18.7	-30.8	-13.2	-19.9	2.3	1.0	14.3	17.2	1.6	26.1
5200	18.7	-30.9	-13.0	-19.6	2.3	1.0	14.3	17.1	1.7	26.9
5400	18.7	-31.0	-12.8	-19.1	2.4	1.0	14.2	17.0	1.7	26.2
5600	18.6	-31.2	-12.8	-18.6	2.5	1.0	14.0	16.8	1.8	26.1
5800	18.6	-31.3	-12.8	-18.2	2.5	1.0	14.0	16.7	1.7	25.8
6000	18.6	-31.4	-12.4	-17.7	2.5	1.0	13.8	16.5	1.8	26.1
6200	18.6	-31.5	-11.9	-17.2	2.6	1.0	13.8	16.4	1.7	25.5
6400	18.5	-31.7	-11.4	-16.7	2.7	1.0	13.7	16.2	1.8	25.7
6600	18.5	-31.8	-11.0	-16.3	2.7	1.0	13.7	16.0	1.8	25.0
6800	18.5	-32.0	-10.6	-15.9	2.9	1.0	13.6	15.6	1.9	25.0
7000	18.5	-32.4	-10.5	-15.5	3.1	1.0	13.3	15.5	1.9	24.7
7200	18.5	-32.6	-10.1	-15.5	3.2	1.0	13.1	15.5	2.0	24.4
7400	18.5	-32.8	-9.8	-15.8	3.3	1.1	12.9	15.3	2.0	24.3
7600	18.4	-33.1	-9.5	-16.0	3.5	1.1	12.9	15.2	2.1	23.8
7800	18.4	-33.4	-9.2	-16.7	3.8	1.1	12.6	14.9	2.2	24.2
8000	18.4	-34.1	-9.1	-17.7	4.4	1.1	12.3	14.5	2.4	23.6

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_{BYP} = +5 V, I_{DD} = 105mA @ Temperature = -55°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Power at Saturation Output	Noise Figure	IP-3 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)	(dBm)
10	17.2	-30.8	-12.2	-10.8	2.2	0.9	6.2	12.2	9.9	19.5
20	18.6	-29.8	-14.4	-10.4	1.8	0.8	9.4	13.7	5.3	22.2
30	19.2	-28.9	-17.3	-9.8	1.5	0.8	11.9	15.0	3.2	25.1
40	19.4	-28.8	-18.7	-9.4	1.5	0.8	12.9	15.9	2.2	25.5
50	19.5	-28.7	-19.3	-9.4	1.5	0.8	13.4	16.6	2.1	27.3
60	19.5	-28.7	-19.5	-9.4	1.5	0.8	13.5	16.9	1.9	25.0
70	19.6	-28.6	-19.5	-9.4	1.5	0.7	13.8	17.3	1.5	26.3
80	19.6	-28.6	-19.4	-9.5	1.5	0.7	14.2	17.7	1.2	26.2
90	19.6	-28.5	-19.5	-9.5	1.4	0.7	14.0	17.5	1.2	24.3
100	19.6	-28.5	-19.3	-9.5	1.4	0.7	14.2	17.7	1.3	27.5
200	19.6	-28.2	-19.0	-9.8	1.4	0.7	14.7	18.1	0.9	27.3
300	19.7	-28.2	-18.0	-10.0	1.4	0.7	14.9	18.3	0.7	27.0
400	19.6	-28.3	-18.8	-10.0	1.4	0.8	14.9	18.3	0.8	26.6
500	19.6	-28.3	-18.7	-10.1	1.4	0.8	14.8	18.3	0.8	27.8
600	19.6	-28.3	-18.6	-10.2	1.4	0.8	14.7	18.2	0.7	25.6
700	19.6	-28.4	-18.5	-10.3	1.4	0.8	14.8	18.2	0.7	29.7
800	19.6	-28.4	-18.6	-10.5	1.4	0.8	14.9	18.3	0.7	28.8
900	19.6	-28.4	-18.4	-10.6	1.5	0.8	14.8	18.3	0.7	27.6
1000	19.6	-28.4	-18.3	-10.8	1.5	0.8	14.8	18.3	0.7	30.1
1200	19.7	-28.5	-18.1	-11.4	1.5	0.8	14.6	18.2	0.8	29.6
1400	19.7	-28.6	-18.1	-11.9	1.5	0.8	14.6	18.3	0.7	29.8
1600	19.7	-28.7	-17.9	-12.6	1.5	0.8	14.5	18.3	0.7	28.3
1800	19.7	-28.7	-17.7	-13.3	1.5	0.9	14.4	18.2	0.7	25.9
2000	19.7	-28.7	-17.6	-14.0	1.5	0.9	14.4	18.2	0.7	30.0
2200	19.7	-28.8	-17.3	-14.9	1.6	0.9	14.5	18.4	0.7	28.8
2400	19.7	-28.9	-17.0	-15.8	1.6	0.9	14.3	18.2	0.7	28.3
2600	19.7	-28.9	-16.5	-16.5	1.6	0.9	14.2	18.3	0.8	27.2
2800	19.7	-29.0	-16.2	-17.2	1.6	0.9	14.2	18.3	0.7	26.9
3000	19.7	-29.1	-15.8	-17.7	1.6	0.9	14.0	18.2	0.7	28.1
3200	19.6	-29.2	-15.5	-18.0	1.6	0.9	13.9	18.1	0.8	26.3
3400	19.6	-29.2	-15.4	-18.2	1.7	0.9	13.9	18.1	0.8	26.9
3600	19.6	-29.3	-15.2	-18.5	1.7	0.9	13.9	18.2	0.8	28.0
3800	19.5	-29.3	-14.9	-18.8	1.7	0.9	13.9	18.1	0.8	25.7
4000	19.5	-29.4	-14.6	-19.1	1.7	0.9	13.9	18.1	0.8	30.3
4200	19.4	-29.5	-14.3	-19.3	1.7	0.9	13.7	18.1	0.8	27.0
4400	19.3	-29.6	-14.4	-19.1	1.8	0.9	13.8	18.2	0.8	27.0
4600	19.4	-29.5	-14.8	-19.6	1.8	0.9	13.8	18.2	0.9	27.6
4800	19.4	-29.6	-14.6	-19.8	1.8	0.9	13.9	18.2	0.9	27.4
5000	19.5	-29.6	-14.3	-20.1	1.8	0.9	13.9	18.3	0.9	27.2
5200	19.4	-29.7	-13.9	-20.1	1.8	1.0	13.9	18.2	0.9	27.3
5400	19.4	-29.8	-13.5	-19.8	1.8	1.0	14.1	18.2	0.9	27.5
5600	19.3	-29.9	-13.3	-19.2	1.9	1.0	14.0	18.1	0.9	27.3
5800	19.4	-30.0	-13.2	-18.9	1.9	1.0	13.9	18.1	0.9	28.2
6000	19.5	-30.1	-12.7	-18.5	1.9	1.0	13.9	18.0	0.9	25.8
6200	19.6	-30.1	-12.0	-17.9	1.9	1.0	13.9	17.9	0.8	25.5
6400	19.6	-30.2	-11.5	-17.4	1.9	1.0	14.0	17.8	0.9	25.6
6600	19.7	-30.3	-11.0	-17.0	1.9	1.0	14.1	17.7	0.8	26.7
6800	19.7	-30.5	-10.6	-16.5	2.0	1.0	14.2	17.4	0.9	26.9
7000	19.6	-30.7	-10.6	-16.1	2.0	1.0	13.7	17.3	0.9	26.6
7200	19.8	-30.9	-10.3	-16.0	2.1	1.0	13.5	17.3	0.9	26.9
7400	19.8	-31.1	-10.1	-16.2	2.1	1.0	13.5	17.2	0.9	27.7
7600	19.9	-31.3	-9.9	-16.2	2.2	1.0	13.6	17.3	0.9	26.8
7800	19.8	-31.6	-9.5	-16.7	2.3	1.0	13.4	17.1	1.0	25.7
8000	19.6	-31.9	-9.5	-17.3	2.5	1.0	13.2	16.8	1.1	25.4

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 V, V_{BYP} = +5 V, I_{DD} = 134mA @ Temperature = +105°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	Power at Saturation Output	Noise Figure	IP-3 Output
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)	(dBm)
10	15.9	-31.4	-13.5	-11.8	2.8	0.9	8.9	12.5	11.9	20.0
20	17.3	-29.7	-15.9	-12.0	2.0	0.9	10.4	14.4	7.2	21.2
30	18.2	-29.0	-20.5	-11.3	1.8	0.8	11.4	15.7	5.1	23.6
40	18.4	-28.6	-23.5	-11.0	1.7	0.8	11.7	16.2	3.9	25.2
50	18.5	-28.6	-24.8	-11.0	1.6	0.8	12.1	16.6	3.4	26.1
60	18.6	-28.5	-24.8	-11.0	1.6	0.8	12.2	16.7	3.0	25.7
70	18.6	-28.2	-24.4	-11.0	1.6	0.8	12.6	16.9	2.7	23.4
80	18.7	-28.2	-23.9	-11.1	1.6	0.8	12.9	17.2	2.5	23.8
90	18.7	-28.3	-23.7	-11.1	1.6	0.8	12.7	16.9	2.5	24.4
100	18.7	-28.2	-23.4	-11.1	1.6	0.8	13.0	17.1	2.4	25.5
200	18.8	-28.2	-21.9	-11.2	1.6	0.8	13.4	17.2	1.8	26.8
300	18.9	-28.0	-20.2	-11.5	1.5	0.8	13.7	17.4	1.7	29.3
400	18.8	-28.3	-21.1	-11.5	1.6	0.8	13.6	17.3	1.7	25.5
500	18.7	-28.2	-20.5	-11.6	1.6	0.8	13.5	17.2	1.7	27.9
600	18.7	-28.3	-20.0	-11.8	1.6	0.8	13.5	17.1	1.6	26.2
700	18.7	-28.3	-19.4	-12.1	1.6	0.8	13.5	17.1	1.6	27.5
800	18.7	-28.4	-18.9	-12.3	1.6	0.8	13.5	17.2	1.6	26.6
900	18.7	-28.5	-18.3	-12.5	1.6	0.9	13.4	17.1	1.8	26.6
1000	18.7	-28.5	-17.9	-12.8	1.6	0.9	13.4	17.2	1.7	25.9
1200	18.7	-28.6	-17.0	-13.5	1.7	0.9	13.2	17.0	1.7	26.4
1400	18.6	-28.7	-16.3	-14.1	1.7	0.9	13.2	17.1	1.7	26.7
1600	18.6	-28.8	-15.5	-14.9	1.7	0.9	13.1	17.0	1.8	25.9
1800	18.5	-28.9	-14.9	-15.7	1.7	0.9	12.9	16.9	1.8	25.6
2000	18.5	-29.0	-14.4	-16.4	1.8	0.9	12.9	16.8	1.8	24.4
2200	18.4	-29.1	-14.0	-17.2	1.8	1.0	13.0	17.0	1.8	25.3
2400	18.4	-29.3	-13.6	-17.9	1.8	1.0	12.7	16.8	1.8	24.6
2600	18.3	-29.3	-13.2	-18.4	1.9	1.0	12.7	16.8	1.9	24.6
2800	18.2	-29.4	-13.0	-18.7	1.9	1.0	12.7	16.8	1.9	24.1
3000	18.1	-29.5	-12.8	-19.0	2.0	1.0	12.5	16.6	1.9	24.9
3200	18.0	-29.6	-12.7	-19.1	2.0	1.0	12.5	16.5	2.0	24.4
3400	17.9	-29.8	-12.6	-19.2	2.1	1.0	12.4	16.5	2.0	24.4
3600	17.8	-29.8	-12.6	-19.3	2.1	1.0	12.5	16.5	2.1	24.4
3800	17.8	-29.9	-12.7	-19.5	2.1	1.0	12.5	16.4	2.1	24.6
4000	17.6	-30.0	-12.6	-19.6	2.2	1.0	12.4	16.4	2.1	23.9
4200	17.5	-30.1	-12.4	-19.6	2.2	1.0	12.3	16.2	2.0	24.5
4400	17.3	-30.2	-12.4	-19.4	2.3	1.0	12.3	16.1	2.1	24.6
4600	17.3	-30.2	-12.6	-19.5	2.3	1.0	12.2	15.9	2.2	23.3
4800	17.2	-30.3	-12.3	-19.3	2.4	1.0	12.2	16.0	2.2	23.6
5000	17.1	-30.5	-12.0	-19.0	2.4	1.0	12.1	15.9	2.3	23.0
5200	16.9	-30.6	-11.6	-18.5	2.5	1.0	12.0	15.9	2.4	23.5
5400	16.8	-30.8	-11.2	-18.0	2.6	1.0	11.9	15.6	2.4	23.2
5600	16.6	-30.9	-10.9	-17.4	2.7	1.0	11.7	15.4	2.5	22.4
5800	16.5	-31.1	-10.7	-17.0	2.8	1.0	11.6	15.2	2.4	23.0
6000	16.4	-31.2	-10.4	-16.6	2.9	1.0	11.4	15.0	2.5	22.4
6200	16.3	-31.5	-10.0	-16.0	3.0	1.1	11.3	14.7	2.6	22.5
6400	16.1	-31.7	-9.7	-15.6	3.1	1.1	11.1	14.5	2.7	22.6
6600	16.0	-32.0	-9.4	-15.4	3.3	1.1	11.0	14.3	2.8	22.2
6800	15.8	-32.3	-9.1	-15.3	3.6	1.1	10.8	13.9	2.9	22.2
7000	15.7	-32.6	-9.1	-15.3	3.8	1.1	10.5	13.7	3.0	22.0
7200	15.7	-32.5	-9.1	-15.6	3.8	1.1	10.4	13.7	3.1	21.7
7400	15.7	-32.8	-9.3	-16.2	4.0	1.1	10.2	13.6	3.1	21.9
7600	15.7	-32.8	-9.1	-16.8	4.1	1.1	10.1	13.5	3.2	21.2
7800	15.7	-33.0	-9.1	-17.8	4.4	1.1	9.9	13.3	3.2	21.7
8000	15.5	-33.3	-9.3	-19.3	4.8	1.1	9.6	13.0	3.1	21.7

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} = +4.75 V, V_{BYP} = 0 V @ Temperature = +25°C

FREQ	Insertion Loss	Input Return Loss	Output Return Loss	Stability		Noise Figure
(MHz)	(dB)	(dB)	(dB)	K	Measure	(dB)
10	-1.6	-11.5	-14.4	1.0	0.5	13.1
20	-3.1	-6.6	-10.1	1.1	0.7	6.3
30	-1.5	-14.4	-17.7	1.0	0.5	2.6
40	-1.4	-18.1	-21.1	1.0	0.5	4.1
50	-1.3	-20.6	-22.6	1.0	0.5	5.3
60	-1.3	-22.3	-24.0	1.0	0.4	4.8
70	-1.2	-23.6	-24.8	1.0	0.4	2.3
80	-1.2	-25.0	-25.3	1.0	0.4	1.5
90	-1.3	-25.9	-25.9	1.0	0.4	1.5
100	-1.2	-26.6	-26.3	1.0	0.4	1.5
200	-1.3	-29.1	-26.3	1.0	0.4	2.4
300	-1.3	-27.3	-25.3	1.0	0.5	3.5
400	-1.3	-25.7	-23.9	1.0	0.5	2.6
500	-1.3	-23.9	-22.7	1.0	0.5	1.6
600	-1.3	-22.5	-21.6	1.0	0.5	1.4
700	-1.3	-21.2	-20.6	1.0	0.5	1.4
800	-1.3	-20.2	-19.7	1.0	0.5	1.4
900	-1.3	-19.3	-18.9	1.1	0.5	2.5
1000	-1.4	-18.5	-18.1	1.1	0.5	2.6
1200	-1.4	-17.2	-17.0	1.1	0.5	1.4
1400	-1.4	-16.3	-16.0	1.1	0.5	1.3
1600	-1.5	-15.6	-15.3	1.1	0.5	1.7
1800	-1.5	-15.0	-14.8	1.1	0.5	1.6
2000	-1.5	-14.6	-14.4	1.1	0.5	2.2
2200	-1.5	-14.3	-14.2	1.1	0.5	1.9
2400	-1.5	-14.1	-14.2	1.1	0.6	1.9
2600	-1.6	-14.2	-14.3	1.1	0.6	2.2
2800	-1.6	-14.2	-14.4	1.1	0.6	2.0
3000	-1.6	-14.4	-14.8	1.1	0.6	1.5
3200	-1.6	-14.7	-15.2	1.1	0.6	1.8
3400	-1.6	-15.1	-15.7	1.1	0.6	1.7
3600	-1.6	-15.5	-16.3	1.1	0.6	1.9
3800	-1.7	-16.0	-17.1	1.1	0.6	1.9
4000	-1.7	-16.6	-17.8	1.1	0.6	1.2
4200	-1.7	-17.3	-18.7	1.1	0.7	1.6
4400	-1.7	-18.0	-19.7	1.1	0.7	1.6
4600	-1.8	-18.6	-20.3	1.1	0.7	1.7
4800	-1.9	-19.2	-20.7	1.2	0.7	2.3
5000	-2.0	-19.4	-20.7	1.2	0.7	1.5
5200	-2.0	-19.5	-21.0	1.2	0.7	1.6
5400	-1.9	-20.0	-22.0	1.2	0.7	1.8
5600	-1.9	-21.1	-23.1	1.2	0.7	1.7
5800	-1.8	-22.4	-23.7	1.2	0.7	1.8
6000	-1.8	-24.0	-23.9	1.2	0.7	1.9
6200	-1.8	-25.8	-24.0	1.2	0.7	1.9
6400	-1.8	-26.9	-24.0	1.3	0.7	2.3
6600	-1.8	-27.0	-23.8	1.3	0.8	2.2
6800	-1.7	-27.3	-23.6	1.3	0.8	2.2
7000	-1.7	-27.8	-23.1	1.3	0.8	2.0
7200	-1.6	-30.9	-22.2	1.4	0.8	2.8
7400	-1.6	-24.8	-21.0	1.4	0.8	2.6
7600	-1.6	-21.9	-19.6	1.4	0.8	2.9
7800	-1.6	-19.8	-18.2	1.5	0.8	3.0
8000	-1.6	-18.2	-16.7	1.5	0.8	3.1

FREQ	IP-3 Output
(MHz)	(dBm)
30	37.3
200	36.3
500	38.1
1000	38.4
3000	34.3
5000	32.2
8000	32.1

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required

Definitions:
Input Return Loss = S11 (dB)
Gain = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +5 V, V_{BYP} = 0 V, I_{DD} = 0.99mA @ Temperature = +25°C

FREQ	Insertion Loss	Input Return Loss	Output Return Loss	Stability		Noise Figure
(MHz)	(dB)	(dB)	(dB)	K	Measure	(dB)
10	-1.6	-11.5	-14.4	1.0	0.5	13.1
20	-3.1	-6.6	-10.1	1.1	0.7	6.3
30	-1.5	-14.4	-17.6	1.0	0.5	2.6
40	-1.3	-18.1	-21.1	1.0	0.5	4.0
50	-1.3	-20.6	-22.7	1.0	0.5	5.0
60	-1.3	-22.3	-24.0	1.0	0.4	4.6
70	-1.2	-23.6	-24.9	1.0	0.4	2.3
80	-1.2	-25.0	-25.5	1.0	0.4	1.6
90	-1.2	-25.9	-25.9	1.0	0.4	1.5
100	-1.2	-26.6	-26.4	1.0	0.4	1.5
200	-1.2	-29.1	-26.3	1.0	0.4	2.4
300	-1.3	-27.3	-25.3	1.0	0.5	3.8
400	-1.3	-25.7	-23.9	1.0	0.5	2.5
500	-1.3	-23.9	-22.8	1.0	0.5	1.6
600	-1.3	-22.5	-21.6	1.0	0.5	1.4
700	-1.3	-21.2	-20.6	1.0	0.5	1.4
800	-1.3	-20.2	-19.7	1.0	0.5	1.4
900	-1.3	-19.3	-18.9	1.1	0.5	2.6
1000	-1.4	-18.5	-18.1	1.1	0.5	2.7
1200	-1.4	-17.2	-16.9	1.1	0.5	1.3
1400	-1.4	-16.2	-16.0	1.1	0.5	1.3
1600	-1.4	-15.5	-15.3	1.1	0.5	1.6
1800	-1.5	-15.0	-14.8	1.1	0.5	1.6
2000	-1.5	-14.6	-14.4	1.1	0.5	2.2
2200	-1.5	-14.3	-14.2	1.1	0.5	1.9
2400	-1.5	-14.1	-14.2	1.1	0.6	1.9
2600	-1.6	-14.1	-14.2	1.1	0.6	1.9
2800	-1.6	-14.2	-14.4	1.1	0.6	2.1
3000	-1.6	-14.4	-14.7	1.1	0.6	1.7
3200	-1.6	-14.7	-15.2	1.1	0.6	1.7
3400	-1.6	-15.1	-15.7	1.1	0.6	1.8
3600	-1.6	-15.5	-16.3	1.1	0.6	1.8
3800	-1.7	-16.0	-17.1	1.1	0.6	1.7
4000	-1.7	-16.6	-17.8	1.1	0.6	1.2
4200	-1.7	-17.3	-18.7	1.1	0.7	1.4
4400	-1.7	-18.0	-19.7	1.1	0.7	1.6
4600	-1.8	-18.7	-20.4	1.1	0.7	1.6
4800	-1.9	-19.3	-20.7	1.2	0.7	2.2
5000	-2.0	-19.4	-20.7	1.2	0.7	1.6
5200	-2.0	-19.5	-21.0	1.2	0.7	1.6
5400	-1.9	-20.0	-22.0	1.2	0.7	1.8
5600	-1.9	-21.1	-23.2	1.2	0.7	1.9
5800	-1.8	-22.4	-23.8	1.2	0.7	1.5
6000	-1.8	-24.0	-24.0	1.2	0.7	2.0
6200	-1.8	-25.8	-24.1	1.2	0.7	2.2
6400	-1.8	-26.9	-24.0	1.3	0.7	2.2
6600	-1.8	-27.0	-23.9	1.3	0.8	2.3
6800	-1.7	-27.3	-23.7	1.3	0.8	2.1
7000	-1.7	-27.7	-23.3	1.3	0.8	1.9
7200	-1.6	-30.7	-22.3	1.4	0.8	2.9
7400	-1.6	-24.8	-21.1	1.4	0.8	2.7
7600	-1.6	-21.9	-19.7	1.4	0.8	2.5
7800	-1.6	-19.9	-18.3	1.5	0.8	3.5
8000	-1.6	-18.3	-16.8	1.5	0.8	3.1

FREQ	IP-3 Output
(MHz)	(dBm)
30	37.4
200	36.3
500	37.6
1000	37.7
3000	33.9
5000	31.5
8000	32.2

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} = +5.25 V, V_{BYP} = 0 V @ Temperature = +25°C

FREQ	Insertion Loss	Input Return Loss	Output Return Loss	Stability		Noise Figure
(MHz)	(dB)	(dB)	(dB)	K	Measure	(dB)
10	-1.6	-11.5	-14.4	1.0	0.5	13.1
20	-3.1	-6.6	-10.1	1.1	0.7	6.3
30	-1.5	-14.4	-17.7	1.0	0.5	2.6
40	-1.4	-18.1	-21.1	1.0	0.5	4.0
50	-1.3	-20.6	-22.6	1.0	0.5	5.0
60	-1.3	-22.3	-24.0	1.0	0.4	4.7
70	-1.2	-23.6	-24.7	1.0	0.4	2.3
80	-1.3	-25.0	-25.2	1.0	0.4	1.5
90	-1.3	-25.8	-25.8	1.0	0.4	1.4
100	-1.3	-26.6	-26.3	1.0	0.4	1.4
200	-1.3	-29.0	-26.3	1.0	0.5	2.5
300	-1.3	-27.2	-25.3	1.0	0.5	3.9
400	-1.3	-25.7	-23.8	1.0	0.5	2.6
500	-1.3	-23.8	-22.6	1.0	0.5	1.6
600	-1.3	-22.5	-21.5	1.0	0.5	1.3
700	-1.3	-21.2	-20.6	1.0	0.5	1.4
800	-1.3	-20.2	-19.7	1.1	0.5	1.5
900	-1.4	-19.3	-18.9	1.1	0.5	2.5
1000	-1.4	-18.5	-18.1	1.1	0.5	2.6
1200	-1.4	-17.2	-17.0	1.1	0.5	1.4
1400	-1.4	-16.2	-16.0	1.1	0.5	1.2
1600	-1.5	-15.5	-15.3	1.1	0.5	1.6
1800	-1.5	-15.0	-14.8	1.1	0.5	1.6
2000	-1.5	-14.6	-14.4	1.1	0.5	1.8
2200	-1.5	-14.3	-14.3	1.1	0.5	2.0
2400	-1.6	-14.1	-14.2	1.1	0.6	2.0
2600	-1.6	-14.1	-14.2	1.1	0.6	2.1
2800	-1.6	-14.2	-14.4	1.1	0.6	2.0
3000	-1.6	-14.4	-14.7	1.1	0.6	1.5
3200	-1.6	-14.7	-15.2	1.1	0.6	1.7
3400	-1.6	-15.1	-15.7	1.1	0.6	1.6
3600	-1.6	-15.5	-16.3	1.1	0.6	1.9
3800	-1.7	-16.0	-17.0	1.1	0.6	1.8
4000	-1.7	-16.6	-17.8	1.1	0.6	1.4
4200	-1.7	-17.3	-18.7	1.1	0.7	1.4
4400	-1.8	-18.0	-19.7	1.1	0.7	1.6
4600	-1.8	-18.6	-20.3	1.1	0.7	1.5
4800	-1.9	-19.2	-20.6	1.2	0.7	2.1
5000	-2.0	-19.4	-20.7	1.2	0.7	1.4
5200	-2.0	-19.4	-20.9	1.2	0.7	1.7
5400	-1.9	-20.0	-22.0	1.2	0.7	1.8
5600	-1.9	-21.1	-23.1	1.2	0.7	1.7
5800	-1.8	-22.4	-23.6	1.2	0.7	1.6
6000	-1.8	-23.9	-23.9	1.2	0.7	1.9
6200	-1.8	-25.7	-23.9	1.2	0.7	1.9
6400	-1.8	-26.9	-23.9	1.3	0.8	2.2
6600	-1.8	-27.1	-23.7	1.3	0.8	2.0
6800	-1.7	-27.5	-23.6	1.3	0.8	2.0
7000	-1.7	-28.0	-23.1	1.3	0.8	2.3
7200	-1.7	-31.2	-22.1	1.4	0.8	2.4
7400	-1.6	-24.9	-20.9	1.4	0.8	2.9
7600	-1.6	-22.0	-19.6	1.4	0.8	2.5
7800	-1.6	-19.9	-18.2	1.5	0.8	3.1
8000	-1.6	-18.3	-16.7	1.5	0.8	3.1

FREQ	IP-3 Output
(MHz)	(dBm)
30	37.2
200	36.3
500	37.0
1000	37.3
3000	33.5
5000	31.0
8000	32.2

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required

Definitions:
Input Return Loss = S11 (dB)
Gain = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +5 V, V_{BYP} = 0 V, I_{DD} = 1.11 mA @ Temperature = -55°C

FREQ	Insertion Loss	Input Return Loss	Output Return Loss	Stability		Noise Figure
(MHz)	(dB)	(dB)	(dB)	K	Measure	(dB)
10	-1.5	-11.7	-14.2	1.0	0.5	13.0
20	-3.3	-6.1	-9.2	1.1	0.7	6.6
30	-1.5	-14.2	-17.4	1.0	0.5	3.5
40	-1.3	-18.2	-21.0	1.0	0.4	3.3
50	-1.2	-20.8	-23.4	1.0	0.4	3.7
60	-1.2	-22.8	-24.7	1.0	0.4	3.1
70	-1.2	-24.4	-26.2	1.0	0.4	2.8
80	-1.2	-26.0	-27.1	1.0	0.4	1.9
90	-1.2	-27.1	-27.7	1.0	0.4	1.9
100	-1.2	-28.0	-28.4	1.0	0.4	3.5
200	-1.2	-32.0	-28.4	1.0	0.4	2.2
300	-1.2	-29.2	-26.7	1.0	0.4	1.6
400	-1.2	-26.3	-25.1	1.0	0.4	2.5
500	-1.2	-24.5	-23.6	1.0	0.4	2.1
600	-1.2	-22.8	-22.2	1.0	0.4	1.6
700	-1.2	-21.4	-21.1	1.0	0.4	1.9
800	-1.3	-20.3	-20.1	1.0	0.5	1.9
900	-1.3	-19.4	-19.1	1.0	0.5	2.3
1000	-1.3	-18.5	-18.3	1.0	0.5	1.6
1200	-1.3	-17.1	-17.0	1.0	0.5	1.7
1400	-1.3	-16.0	-16.0	1.0	0.5	1.8
1600	-1.4	-15.3	-15.3	1.1	0.5	2.3
1800	-1.4	-14.9	-14.9	1.1	0.5	2.2
2000	-1.4	-14.5	-14.5	1.1	0.5	2.3
2200	-1.4	-14.3	-14.2	1.1	0.5	2.4
2400	-1.4	-14.2	-14.2	1.1	0.5	2.2
2600	-1.5	-14.3	-14.5	1.1	0.5	2.5
2800	-1.5	-14.6	-14.9	1.1	0.5	2.2
3000	-1.5	-14.9	-15.2	1.1	0.5	1.8
3200	-1.5	-15.2	-15.7	1.1	0.6	2.6
3400	-1.5	-15.6	-16.1	1.1	0.6	2.4
3600	-1.5	-16.0	-16.5	1.1	0.6	2.3
3800	-1.5	-16.5	-17.2	1.1	0.6	2.6
4000	-1.6	-17.1	-17.9	1.1	0.6	2.0
4200	-1.6	-17.8	-18.6	1.1	0.6	2.0
4400	-1.6	-18.6	-19.4	1.1	0.6	1.8
4600	-1.7	-19.3	-19.8	1.1	0.6	2.2
4800	-1.7	-20.1	-19.9	1.1	0.6	2.8
5000	-1.8	-20.5	-19.6	1.1	0.7	2.9
5200	-1.9	-20.2	-19.6	1.2	0.7	2.4
5400	-1.9	-20.2	-20.3	1.2	0.7	2.4
5600	-1.8	-20.3	-21.2	1.2	0.7	2.5
5800	-1.7	-20.9	-21.8	1.2	0.7	2.3
6000	-1.7	-21.5	-22.2	1.2	0.7	2.6
6200	-1.6	-22.3	-22.4	1.2	0.7	2.9
6400	-1.5	-23.2	-22.5	1.2	0.7	2.8
6600	-1.5	-24.5	-22.2	1.2	0.7	3.3
6800	-1.4	-25.7	-21.6	1.2	0.7	3.5
7000	-1.3	-26.6	-20.6	1.2	0.7	3.4
7200	-1.2	-27.3	-19.4	1.2	0.7	3.9
7400	-1.1	-26.2	-17.9	1.2	0.7	4.0
7600	-1.1	-23.0	-16.5	1.3	0.7	3.7
7800	-1.0	-20.0	-15.2	1.3	0.7	4.1
8000	-1.0	-17.5	-13.8	1.3	0.8	4.1

FREQ	IP-3 Output
(MHz)	(dBm)
30	37.0
200	36.5
500	38.4
1000	38.2
3000	36.3
5000	34.0
8000	36.0

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required

Definitions:
Input Return Loss = S11 (dB)
Gain = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +5 V, VBYP = 0V, I_{DD} = 0.87 mA @ Temperature = +105°C

FREQ	Insertion Loss	Input Return Loss	Output Return Loss	Stability		Noise Figure
(MHz)	(dB)	(dB)	(dB)	K	Measure	(dB)
10	-1.8	-11.4	-14.8	1.1	0.6	13.1
20	-3.4	-6.7	-10.9	1.1	0.8	6.2
30	-1.7	-14.3	-18.1	1.1	0.5	2.7
40	-1.5	-17.8	-20.6	1.1	0.5	3.5
50	-1.5	-20.1	-21.9	1.1	0.5	4.1
60	-1.4	-21.6	-22.5	1.0	0.5	3.1
70	-1.4	-22.7	-23.1	1.0	0.5	2.3
80	-1.4	-23.6	-23.5	1.0	0.5	1.3
90	-1.4	-24.3	-23.5	1.0	0.5	1.2
100	-1.4	-24.7	-23.7	1.0	0.5	1.9
200	-1.4	-26.3	-23.7	1.1	0.5	1.9
300	-1.4	-25.2	-22.9	1.1	0.5	2.3
400	-1.4	-23.6	-22.0	1.1	0.5	2.6
500	-1.5	-22.3	-21.2	1.1	0.5	1.5
600	-1.5	-21.1	-20.3	1.1	0.5	1.1
700	-1.5	-20.1	-19.5	1.1	0.5	1.2
800	-1.5	-19.2	-18.7	1.1	0.5	1.2
900	-1.5	-18.4	-18.1	1.1	0.5	1.7
1000	-1.5	-17.7	-17.5	1.1	0.5	1.5
1200	-1.6	-16.6	-16.5	1.1	0.5	1.2
1400	-1.6	-15.7	-15.7	1.1	0.6	1.0
1600	-1.6	-15.0	-15.1	1.1	0.6	1.3
1800	-1.7	-14.5	-14.7	1.1	0.6	1.3
2000	-1.7	-14.1	-14.3	1.1	0.6	1.6
2200	-1.7	-13.9	-14.1	1.1	0.6	1.4
2400	-1.8	-13.8	-14.0	1.1	0.6	1.5
2600	-1.8	-13.8	-14.2	1.1	0.6	1.6
2800	-1.8	-14.0	-14.4	1.1	0.6	1.6
3000	-1.8	-14.2	-14.7	1.1	0.6	1.1
3200	-1.9	-14.6	-15.1	1.1	0.7	1.1
3400	-1.9	-15.0	-15.6	1.1	0.7	1.7
3600	-1.9	-15.5	-16.1	1.1	0.7	1.3
3800	-2.0	-16.1	-16.8	1.1	0.7	1.3
4000	-2.0	-16.8	-17.4	1.2	0.7	1.1
4200	-2.1	-17.5	-18.1	1.2	0.7	1.0
4400	-2.1	-18.1	-18.8	1.2	0.7	1.5
4600	-2.2	-18.5	-19.1	1.2	0.7	1.3
4800	-2.3	-18.7	-19.1	1.2	0.8	1.9
5000	-2.5	-18.4	-18.8	1.3	0.8	1.3
5200	-2.5	-17.9	-18.9	1.3	0.8	1.1
5400	-2.5	-17.9	-19.6	1.3	0.8	1.3
5600	-2.5	-18.1	-20.3	1.3	0.8	1.7
5800	-2.5	-18.5	-20.9	1.3	0.8	1.3
6000	-2.6	-18.9	-21.4	1.4	0.8	1.4
6200	-2.7	-19.5	-22.0	1.4	0.8	1.7
6400	-2.7	-20.3	-22.6	1.5	0.9	1.4
6600	-2.8	-21.4	-23.5	1.5	0.9	1.6
6800	-2.8	-23.0	-24.8	1.6	0.9	1.4
7000	-2.8	-25.4	-26.3	1.6	0.9	1.4
7200	-2.7	-29.3	-26.4	1.7	0.9	1.9
7400	-2.7	-34.8	-23.3	1.7	0.9	1.9
7600	-2.5	-38.1	-20.8	1.7	0.9	1.8
7800	-2.3	-26.7	-18.5	1.7	0.9	2.6
8000	-2.1	-21.8	-16.1	1.7	0.9	2.1

FREQ	IP-3 Output
(MHz)	(dBm)
30	36.4
200	35.6
500	34.4
1000	36.3
3000	31.5
5000	28.9
8000	29.7

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 V, V_{BYP} = +5V @ Temperature = +25°C

P_{IN}	Gain	P_{IN}	Gain	P_{IN}	Gain	P_{IN}	Gain	P_{IN}	Gain	P_{IN}	Gain
dBm	dB	dBm	dB	dBm	dB	dBm	dB	dBm	dB	dBm	dB
30MHz		200MHz		1000MHz		3000MHz		5000MHz		8000MHz	
-24.4	18.5	-24.5	18.9	-24.8	19.1	-24.7	18.4	-25.1	17.3	-24.8	13.9
-23.4	18.5	-23.5	18.9	-23.8	19.1	-23.7	18.4	-24.1	17.4	-23.9	13.9
-22.5	18.5	-22.5	18.9	-22.8	19.1	-22.8	18.4	-23.1	17.4	-22.9	13.9
-21.5	18.5	-21.5	18.9	-21.8	19.1	-21.8	18.4	-22.1	17.4	-21.9	13.9
-20.5	18.4	-20.5	18.9	-20.8	19.1	-20.8	18.4	-21.1	17.4	-20.9	13.9
-19.5	18.4	-19.5	18.9	-19.8	19.1	-19.8	18.4	-20.1	17.4	-19.9	13.9
-18.5	18.4	-18.5	18.9	-18.8	19.1	-18.8	18.4	-19.1	17.4	-18.9	13.9
-17.5	18.4	-17.5	18.9	-17.8	19.1	-17.8	18.4	-18.1	17.4	-17.9	13.9
-16.5	18.4	-16.6	18.8	-16.8	19.1	-16.8	18.4	-17.1	17.4	-16.9	13.9
-15.4	18.4	-15.5	18.8	-15.8	19.1	-15.8	18.4	-16.1	17.4	-15.9	13.9
-14.4	18.4	-14.5	18.8	-14.8	19.1	-14.8	18.4	-15.1	17.4	-14.9	13.8
-13.5	18.4	-13.5	18.8	-13.9	19.1	-13.8	18.4	-14.1	17.3	-13.9	13.8
-12.5	18.4	-12.5	18.8	-12.9	19.1	-12.8	18.4	-13.2	17.3	-12.9	13.8
-11.5	18.4	-11.5	18.8	-11.9	19.1	-11.8	18.4	-12.2	17.3	-11.9	13.8
-10.5	18.3	-10.5	18.8	-10.9	19.1	-10.8	18.3	-11.2	17.3	-10.9	13.8
-9.5	18.3	-9.6	18.8	-9.9	19.1	-9.8	18.3	-10.2	17.3	-9.9	13.8
-8.5	18.3	-8.6	18.8	-8.8	19.1	-8.8	18.3	-9.2	17.3	-8.9	13.8
-7.6	18.2	-7.6	18.8	-7.8	19.0	-7.8	18.3	-8.2	17.3	-7.9	13.8
-6.6	18.2	-6.6	18.7	-6.8	19.0	-6.8	18.2	-7.2	17.2	-6.9	13.8
-5.6	18.0	-5.6	18.7	-5.9	18.9	-5.8	18.1	-6.2	17.1	-5.9	13.7
-4.7	17.8	-4.6	18.6	-4.9	18.7	-4.8	18.0	-5.2	17.1	-4.9	13.7
-3.8	17.4	-3.7	18.4	-3.9	18.5	-3.8	17.8	-4.2	16.9	-3.9	13.6
-3.0	17.0	-2.8	18.1	-2.9	18.2	-2.8	17.5	-3.2	16.8	-2.9	13.5
-2.2	16.6	-2.1	17.8	-1.9	17.7	-1.8	17.1	-2.2	16.6	-2.0	13.4
-1.4	16.1	-1.2	17.4	-0.9	17.2	-0.9	16.6	-1.3	16.2	-1.0	13.2
-0.6	15.6	-0.4	16.9	0.1	16.6	0.1	16.0	-0.3	15.8	0.0	12.8
0.2	14.9	0.5	16.4	1.1	15.9	1.1	15.3	0.7	15.3	1.1	12.4
1.2	14.2	1.4	15.7	2.1	15.1	2.1	14.6	1.7	14.7	2.0	11.8
2.1	13.4	2.3	15.0	3.1	14.3	3.1	13.8	2.7	14.0	3.0	11.2
		3.3	14.1			4.1	13.3	3.6	13.3	4.0	10.4
								4.6	12.5	5.0	9.6
										6.0	8.9

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_{BYP} = +5V @ Temperature = +25°C

P_{IN}	I_{DD}	P_{IN}	I_{DD}	P_{IN}	I_{DD}	P_{IN}	I_{DD}	P_{IN}	I_{DD}	P_{IN}	I_{DD}
dBm	mA	dBm	mA	dBm	mA	dBm	mA	dBm	mA	dBm	mA
30MHz		200MHz		1000MHz		3000MHz		5000MHz		8000MHz	
-24.4	120.1	-24.5	120.4	-24.8	120.7	-24.7	120.9	-25.1	120.7	-24.8	120.6
-23.4	119.9	-23.5	120.3	-23.8	120.6	-23.7	120.9	-24.1	120.7	-23.9	120.7
-22.5	119.8	-22.5	120.3	-22.8	120.6	-22.8	120.8	-23.1	120.7	-22.9	120.7
-21.5	119.7	-21.5	120.2	-21.8	120.5	-21.8	120.8	-22.1	120.7	-21.9	120.7
-20.5	119.6	-20.5	120.2	-20.8	120.5	-20.8	120.7	-21.1	120.7	-20.9	120.7
-19.5	119.6	-19.5	120.1	-19.8	120.5	-19.8	120.7	-20.1	120.7	-19.9	120.7
-18.5	119.5	-18.5	120.1	-18.8	120.5	-18.8	120.7	-19.1	120.7	-18.9	120.8
-17.5	119.5	-17.5	120.1	-17.8	120.4	-17.8	120.7	-18.1	120.7	-17.9	120.8
-16.5	119.4	-16.6	120.1	-16.8	120.4	-16.8	120.7	-17.1	120.7	-16.9	120.8
-15.4	119.4	-15.5	120.0	-15.8	120.4	-15.8	120.6	-16.1	120.7	-15.9	120.8
-14.4	119.4	-14.5	120.0	-14.8	120.4	-14.8	120.6	-15.1	120.7	-14.9	120.8
-13.5	119.3	-13.5	120.0	-13.9	120.3	-13.8	120.6	-14.1	120.7	-13.9	120.9
-12.5	119.2	-12.5	120.0	-12.9	120.3	-12.8	120.6	-13.2	120.7	-12.9	120.9
-11.5	119.2	-11.5	119.9	-11.9	120.3	-11.8	120.6	-12.2	120.8	-11.9	121.0
-10.5	119.1	-10.5	119.9	-10.9	120.3	-10.8	120.7	-11.2	120.9	-10.9	121.1
-9.5	119.0	-9.6	119.9	-9.9	120.3	-9.8	120.7	-10.2	120.9	-9.9	121.2
-8.5	118.9	-8.6	119.8	-8.8	120.3	-8.8	120.7	-9.2	121.0	-8.9	121.4
-7.6	118.7	-7.6	119.8	-7.8	120.3	-7.8	120.8	-8.2	121.2	-7.9	121.6
-6.6	118.4	-6.6	119.7	-6.8	120.3	-6.8	121.0	-7.2	121.5	-6.9	121.8
-5.6	117.7	-5.6	119.5	-5.9	120.2	-5.8	121.2	-6.2	121.8	-5.9	122.2
-4.7	116.3	-4.6	118.7	-4.9	119.8	-4.8	121.5	-5.2	122.3	-4.9	122.6
-3.8	114.2	-3.7	117.3	-3.9	119.0	-3.8	121.8	-4.2	122.9	-3.9	123.2
-3.0	111.6	-2.8	115.4	-2.9	117.7	-2.8	122.0	-3.2	123.7	-2.9	124.0
-2.2	108.6	-2.1	113.1	-1.9	116.1	-1.8	122.2	-2.2	124.6	-2.0	125.0
-1.4	105.5	-1.2	110.6	-0.9	114.5	-0.9	122.4	-1.3	125.8	-1.0	126.2
-0.6	102.3	-0.4	108.1	0.1	112.8	0.1	122.6	-0.3	127.2	0.0	127.6
0.2	98.8	0.5	105.4	1.1	110.8	1.1	122.7	0.7	128.7	1.1	129.2
1.2	95.2	1.4	102.2	2.1	108.3	2.1	122.6	1.7	130.0	2.0	130.9
2.1	91.4	2.3	98.5	3.1	105.0	3.1	122.0	2.7	131.0	3.0	132.5
		3.3	94.1			4.1	123.7	3.6	131.6	4.0	134.0
								4.6	131.6	5.0	135.2
										6.0	138.8

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 V, V_{BYP} = +5V @ Temperature = +25°C

P_{OUT}	Output IP3	P_{OUT}	Output IP3	P_{OUT}	Output IP3	P_{OUT}	Output IP3	P_{OUT}	Output IP3	P_{OUT}	Output IP3
dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
30MHz		200MHz		1000MHz		3000MHz		5000MHz		8000MHz	
-5.0	27.7	-5.0	31.4	-5.0	30.2	-5.0	28.5	-5.0	27.3	-5.0	25.3
-4.0	27.6	-4.0	31.2	-4.0	30.2	-4.0	28.4	-4.0	27.4	-4.0	25.3
-3.0	27.5	-3.0	31.1	-3.0	30.1	-3.0	28.4	-3.0	27.3	-3.0	25.2
-2.0	27.4	-2.0	31.0	-2.0	30.0	-2.0	28.2	-2.0	27.2	-2.0	25.2
-1.0	27.2	-1.0	30.8	-1.0	29.8	-1.0	28.1	-1.0	27.1	-1.0	25.2
0.0	27.1	0.0	30.6	0.0	29.6	0.0	28.0	0.0	26.9	0.0	25.1
1.0	26.9	1.0	30.5	1.0	29.4	1.0	27.7	1.0	26.8	1.0	24.9
2.0	26.7	2.0	30.3	2.0	29.2	2.0	27.6	2.0	26.6	2.0	24.8
3.0	26.3	3.0	30.1	3.0	29.0	3.0	27.3	3.0	26.4	3.0	24.6
4.0	25.9	4.0	29.8	4.0	28.7	4.0	27.1	4.0	26.2	4.0	24.4
5.0	25.3	5.0	29.6	5.0	28.3	5.0	26.8	5.0	25.9	5.0	24.1
6.0	24.4	6.0	29.1	6.0	27.9	6.0	26.5	6.0	25.7	6.0	23.9
7.0	23.3	7.0	28.1	7.0	27.2	7.0	26.1	7.0	25.4	7.0	23.5
8.0	22.2	8.0	26.7	8.0	26.2	8.0	25.6	8.0	25.1	8.0	23.1
9.0	21.4	9.0	25.2	9.0	25.1	9.0	25.0	9.0	24.7	9.0	22.7
10.0	21.0	10.0	24.2	10.0	24.2	10.0	24.4	10.0	24.3	10.0	22.4
11.0	21.1	11.0	23.6	11.0	23.6	11.0	23.9	11.0	24.0	11.0	22.2
12.0	21.4	12.0	23.4	12.0	23.4	12.0	23.6	12.0	23.8	12.0	22.2
13.0	21.8	13.0	23.5	13.0	23.5	13.0	23.6	13.0	23.8	13.0	22.4
14.0	22.3	14.0	23.8	14.0	23.7	14.0	23.8	14.0	24.0	14.0	22.7
		15.0	24.1	15.0	24.1	15.0	24.2	15.0	24.3		
		16.0	24.6	16.0	24.6	16.0	24.8	16.0	24.8		