

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: $V_{DD} = +6V$, $V_C = +5V$, $I_{DD} = 77mA$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
0.2	16.7	26.0	15.9	17.5	1.6	0.9	26.9	21.1	12.8
0.4	16.8	25.7	18.2	17.9	1.6	0.9	27.1	21.0	5.4
0.6	16.9	25.6	18.8	17.9	1.6	0.9	27.7	21.4	4.4
0.8	16.9	25.6	19.1	17.8	1.6	0.9	28.0	21.3	4.3
1.0	16.9	25.7	19.1	17.7	1.6	0.9	27.8	21.1	4.2
1.2	16.9	25.7	19.1	17.6	1.6	0.9	28.2	21.4	4.2
1.4	16.9	25.8	19.0	17.4	1.6	0.9	28.5	21.2	4.2
1.6	16.9	25.9	18.8	17.2	1.6	0.9	28.6	21.5	4.2
1.8	16.9	26.0	18.6	16.9	1.6	0.9	28.5	21.2	4.2
2.0	16.9	26.1	18.2	16.6	1.6	0.9	29.4	21.2	4.2
2.2	16.9	26.2	17.8	16.3	1.6	0.9	28.8	21.3	4.2
2.4	16.9	26.3	17.3	15.9	1.7	0.9	29.9	21.0	4.2
2.6	16.8	26.5	16.7	15.5	1.7	0.9	29.9	21.3	4.3
2.8	16.8	26.7	16.5	15.2	1.7	0.9	30.6	20.9	4.4
3.0	16.8	26.8	16.2	14.9	1.7	0.9	31.1	21.0	4.4
3.2	16.8	26.9	15.8	14.6	1.8	0.9	31.7	20.9	4.3
3.4	16.8	27.0	15.3	14.3	1.8	0.9	32.5	20.7	4.3
3.6	16.8	27.1	14.8	14.0	1.8	0.9	32.4	20.8	4.3
3.8	16.7	27.3	14.5	13.8	1.8	0.9	33.3	20.3	4.4
4.0	16.7	27.5	14.2	13.5	1.9	0.9	33.3	20.7	4.4
4.2	16.7	27.6	14.0	13.4	1.9	0.9	32.8	20.3	4.4
4.4	16.6	27.8	13.8	13.2	1.9	0.9	33.2	20.4	4.4
4.6	16.6	28.0	13.7	13.1	2.0	0.9	32.8	20.3	4.4
4.8	16.5	28.1	13.7	13.1	2.0	0.9	32.6	20.2	4.4
5.0	16.4	28.3	13.7	13.0	2.0	0.9	31.9	20.2	4.5
5.2	16.4	28.4	13.7	12.9	2.1	0.9	31.8	20.0	4.6
5.4	16.3	28.6	13.7	12.8	2.1	0.9	30.4	19.9	4.5
5.6	16.2	28.7	13.7	12.7	2.2	0.9	30.6	19.9	4.5
5.8	16.2	28.8	13.6	12.6	2.2	0.9	30.5	19.9	4.5
6.0	16.1	29.0	13.5	12.4	2.2	1.0	30.0	19.8	4.5
6.2	16.0	29.1	13.3	12.3	2.3	1.0	29.7	19.8	4.5
6.4	15.9	29.2	13.1	12.2	2.3	1.0	29.8	19.7	4.5
6.6	15.8	29.3	12.8	12.0	2.3	1.0	29.8	19.8	4.5
6.8	15.7	29.4	12.5	11.9	2.3	1.0	29.9	19.8	4.5
7.0	15.7	29.4	12.2	11.9	2.4	1.0	29.8	19.5	4.4
7.2	15.6	29.5	11.9	11.8	2.4	1.0	29.5	19.8	4.5
7.4	15.5	29.6	11.6	11.8	2.4	1.0	29.3	19.5	4.5
7.6	15.4	29.6	11.3	11.9	2.4	1.0	29.3	19.7	4.5
7.8	15.3	29.6	11.0	11.9	2.5	1.0	29.2	19.5	4.5
8.0	15.2	29.7	10.7	12.0	2.5	1.0	29.4	19.4	4.5
8.2	15.1	29.7	10.4	12.2	2.5	1.0	29.6	19.5	4.5
8.4	15.0	29.7	10.1	12.4	2.5	1.0	29.3	19.3	4.5
8.6	14.9	29.7	9.8	12.6	2.6	1.0	29.3	19.7	4.5
8.8	14.8	29.7	9.5	12.8	2.6	1.0	29.2	19.3	4.5
9.0	14.7	29.7	9.3	13.0	2.6	1.1	29.6	19.4	4.5
9.2	14.6	29.7	9.0	13.2	2.6	1.1	29.4	19.4	4.6
9.4	14.4	29.7	8.8	13.5	2.7	1.1	29.0	19.0	4.6
9.6	14.3	29.7	8.6	13.7	2.7	1.1	29.0	19.4	4.6
9.8	14.2	29.7	8.4	13.9	2.7	1.1	29.3	18.8	4.6
10.0	14.0	29.7	8.2	14.1	2.8	1.1	29.5	19.2	4.6
11.0	13.5	29.6	8.0	14.9	2.9	1.1	29.4	19.2	4.6
12.0	13.1	29.3	8.8	15.0	3.1	1.1	29.6	19.1	4.7
13.0	12.7	29.1	10.1	13.0	3.2	1.0	-	-	-
14.0	11.9	29.3	11.5	10.5	3.6	1.0	-	-	-
15.0	11.0	29.7	11.7	8.7	4.0	0.9	-	-	-

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: $V_{DD} = +6V$, $V_C = +4V$, $I_{DD} = 59mA$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
0.2	16.0	25.1	17.8	25.3	1.6	0.9	24.4	21.2	13.7
0.4	16.1	24.8	21.5	25.9	1.6	0.9	24.9	21.2	5.6
0.6	16.2	24.7	22.7	25.7	1.5	0.9	25.8	21.5	4.4
0.8	16.2	24.8	23.1	25.4	1.6	0.9	26.1	21.3	4.3
1.0	16.2	24.8	23.2	25.0	1.6	0.9	25.7	21.2	4.2
1.2	16.2	24.9	23.2	24.6	1.6	0.9	26.3	21.5	4.3
1.4	16.2	24.9	23.0	24.2	1.6	0.9	26.7	21.3	4.3
1.6	16.2	25.0	22.6	23.7	1.6	0.9	26.7	21.6	4.2
1.8	16.2	25.1	22.2	23.0	1.6	0.9	26.6	21.4	4.2
2.0	16.2	25.2	21.6	22.5	1.6	0.9	27.4	21.3	4.2
2.2	16.2	25.3	20.9	21.8	1.6	0.9	27.4	21.3	4.2
2.4	16.2	25.4	20.1	21.0	1.7	0.9	28.1	21.2	4.3
2.6	16.1	25.6	19.3	20.1	1.7	0.9	28.3	21.4	4.3
2.8	16.1	25.7	19.0	19.5	1.7	0.9	28.8	21.0	4.4
3.0	16.1	25.8	18.6	18.8	1.7	0.9	29.0	21.2	4.4
3.2	16.1	25.9	18.0	18.1	1.8	0.9	29.3	21.0	4.3
3.4	16.1	26.1	17.3	17.5	1.8	0.9	30.0	21.0	4.3
3.6	16.1	26.2	16.7	16.8	1.8	0.9	30.1	21.0	4.3
3.8	16.0	26.3	16.2	16.3	1.8	0.9	30.7	20.5	4.3
4.0	16.0	26.5	15.8	15.7	1.8	0.9	31.0	21.0	4.4
4.2	15.9	26.7	15.6	15.3	1.9	0.9	30.6	20.5	4.4
4.4	15.9	26.8	15.3	14.9	1.9	0.9	30.3	20.7	4.4
4.6	15.8	27.0	15.2	14.6	1.9	0.9	30.3	20.6	4.4
4.8	15.7	27.2	15.0	14.2	2.0	0.9	30.6	20.5	4.4
5.0	15.7	27.3	15.0	13.9	2.0	0.9	30.3	20.5	4.5
5.2	15.6	27.5	14.9	13.6	2.1	0.9	30.1	20.2	4.5
5.4	15.5	27.6	14.8	13.2	2.1	0.9	28.9	20.2	4.5
5.6	15.4	27.8	14.7	12.9	2.1	0.9	29.3	20.1	4.5
5.8	15.3	27.9	14.5	12.6	2.2	0.9	28.7	20.1	4.5
6.0	15.2	28.0	14.2	12.3	2.2	0.9	28.3	20.1	4.5
6.2	15.1	28.2	13.9	12.0	2.2	1.0	28.1	20.0	4.5
6.4	15.0	28.2	13.6	11.7	2.3	1.0	27.7	19.9	4.5
6.6	14.9	28.3	13.2	11.5	2.3	1.0	27.7	20.1	4.5
6.8	14.8	28.4	12.8	11.3	2.3	1.0	27.8	20.0	4.5
7.0	14.8	28.5	12.4	11.2	2.3	1.0	27.2	19.9	4.4
7.2	14.7	28.6	12.1	11.1	2.4	1.0	27.2	20.1	4.4
7.4	14.6	28.6	11.7	11.0	2.4	1.0	27.1	19.7	4.4
7.6	14.5	28.6	11.4	11.0	2.4	1.0	27.4	20.1	4.5
7.8	14.4	28.7	11.1	11.0	2.4	1.0	27.5	19.8	4.4
8.0	14.3	28.7	10.8	11.1	2.4	1.0	26.8	19.8	4.5
8.2	14.2	28.7	10.5	11.2	2.5	1.0	27.2	19.8	4.5
8.4	14.1	28.7	10.2	11.4	2.5	1.0	27.0	19.7	4.5
8.6	14.0	28.8	9.9	11.6	2.5	1.0	27.0	19.9	4.5
8.8	13.9	28.8	9.6	11.8	2.5	1.0	26.8	19.5	4.5
9.0	13.8	28.8	9.3	11.9	2.6	1.0	27.2	19.7	4.5
9.2	13.7	28.8	9.0	12.1	2.6	1.1	26.4	19.6	4.5
9.4	13.6	28.8	8.8	12.4	2.6	1.1	26.2	19.5	4.5
9.6	13.5	28.8	8.5	12.5	2.7	1.1	26.2	19.6	4.6
9.8	13.3	28.9	8.3	12.7	2.7	1.1	26.8	19.1	4.6
10.0	13.2	28.9	8.2	12.9	2.7	1.1	26.0	19.3	4.5
11.0	12.7	28.8	7.9	13.6	2.9	1.1	26.0	19.1	4.6
12.0	12.3	28.5	8.5	14.1	3.0	1.1	26.4	19.1	4.6
13.0	12.0	28.4	9.9	12.5	3.2	1.0	-	-	-
14.0	11.3	28.6	11.3	10.2	3.5	1.0	-	-	-
15.0	10.3	29.1	11.6	8.4	3.9	0.9	-	-	-

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

- Input Return Loss = -S11 (dB)
- Gain(Power Gain) = S21 (dB)
- Reverse Isolation = -S12 (dB)
- Output Return Loss = -S22 (dB)

TEST CONDITIONS: $V_{DD} = +6V$, $V_C = +3V$, $I_{DD} = 43mA$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
0.2	14.4	23.6	20.7	21.0	1.6	0.9	18.8	21.3	15.2
0.4	14.6	23.3	28.2	21.1	1.6	0.9	19.8	21.8	6.0
0.6	14.6	23.2	32.6	21.1	1.5	0.9	20.4	22.0	4.6
0.8	14.7	23.3	36.4	21.3	1.6	0.9	20.8	21.6	4.5
1.0	14.7	23.3	40.2	21.4	1.6	0.9	20.2	21.7	4.4
1.2	14.7	23.4	42.0	21.7	1.6	0.9	20.6	21.7	4.4
1.4	14.7	23.5	41.4	22.1	1.6	0.9	21.0	21.8	4.4
1.6	14.7	23.5	38.3	22.7	1.6	0.9	21.2	22.0	4.3
1.8	14.7	23.6	36.6	23.6	1.6	0.9	21.0	21.9	4.4
2.0	14.7	23.7	35.5	24.6	1.6	0.9	21.7	21.8	4.3
2.2	14.7	23.8	34.0	26.0	1.7	0.9	21.6	21.6	4.3
2.4	14.6	23.9	31.5	27.4	1.7	0.9	22.5	21.7	4.5
2.6	14.6	24.0	28.8	29.0	1.7	0.9	22.1	21.7	4.4
2.8	14.6	24.2	27.5	28.4	1.7	0.9	23.1	21.5	4.6
3.0	14.6	24.2	26.5	26.9	1.7	0.9	22.8	21.6	4.5
3.2	14.6	24.3	25.1	24.5	1.8	0.9	23.0	21.4	4.4
3.4	14.6	24.4	23.6	22.6	1.8	0.9	24.3	21.5	4.4
3.6	14.5	24.6	22.2	20.9	1.8	0.9	24.2	21.3	4.4
3.8	14.5	24.7	21.1	19.4	1.8	0.9	24.6	20.9	4.5
4.0	14.5	24.8	20.3	18.2	1.8	0.9	25.3	21.3	4.5
4.2	14.4	25.0	19.6	17.1	1.9	0.9	25.4	20.8	4.5
4.4	14.3	25.1	19.1	16.1	1.9	0.9	25.0	21.1	4.5
4.6	14.3	25.3	18.6	15.3	1.9	0.9	25.5	21.0	4.5
4.8	14.2	25.5	18.2	14.5	2.0	0.9	25.1	20.9	4.5
5.0	14.1	25.6	17.8	13.8	2.0	0.9	26.6	20.9	4.5
5.2	13.9	25.8	17.4	13.1	2.1	0.9	25.5	20.5	4.6
5.4	13.8	26.0	17.0	12.5	2.1	0.9	24.6	20.5	4.5
5.6	13.7	26.1	16.5	11.9	2.1	0.9	25.5	20.5	4.6
5.8	13.6	26.3	16.0	11.4	2.2	0.9	24.3	20.5	4.5
6.0	13.5	26.4	15.4	10.9	2.2	0.9	24.3	20.5	4.5
6.2	13.3	26.5	14.8	10.6	2.2	0.9	25.1	20.3	4.5
6.4	13.2	26.6	14.2	10.2	2.3	0.9	24.3	20.2	4.6
6.6	13.1	26.7	13.6	9.9	2.3	0.9	24.3	20.5	4.5
6.8	13.0	26.9	13.1	9.7	2.3	0.9	23.7	20.3	4.5
7.0	12.9	26.9	12.6	9.5	2.3	0.9	23.1	20.4	4.5
7.2	12.8	27.0	12.2	9.3	2.3	0.9	23.7	20.4	4.5
7.4	12.7	27.1	11.8	9.2	2.4	0.9	23.4	20.2	4.5
7.6	12.6	27.1	11.4	9.2	2.4	0.9	24.1	20.5	4.5
7.8	12.5	27.1	11.1	9.2	2.4	0.9	23.9	20.4	4.5
8.0	12.4	27.1	10.8	9.2	2.4	0.9	23.1	20.5	4.5
8.2	12.4	27.2	10.4	9.3	2.4	1.0	23.8	20.4	4.5
8.4	12.3	27.2	10.1	9.4	2.5	1.0	23.6	20.3	4.6
8.6	12.2	27.2	9.8	9.5	2.5	1.0	23.5	20.4	4.6
8.8	12.1	27.2	9.5	9.6	2.5	1.0	23.3	20.2	4.6
9.0	12.0	27.2	9.3	9.7	2.5	1.0	23.6	20.4	4.6
9.2	11.9	27.3	9.0	9.9	2.6	1.0	23.0	20.2	4.6
9.4	11.8	27.3	8.7	10.0	2.6	1.0	22.9	20.4	4.6
9.6	11.6	27.3	8.5	10.1	2.6	1.0	23.1	20.0	4.7
9.8	11.5	27.4	8.2	10.3	2.7	1.0	23.6	20.0	4.7
10.0	11.4	27.4	8.0	10.4	2.7	1.0	22.6	19.8	4.6
11.0	10.9	27.3	7.6	11.0	2.8	1.1	21.5	19.3	4.7
12.0	10.7	27.1	8.2	11.6	3.0	1.1	21.6	19.3	4.8
13.0	10.4	27.0	9.4	10.9	3.1	1.0	-	-	-
14.0	9.8	27.2	10.9	9.1	3.4	1.0	-	-	-
15.0	8.8	27.6	11.5	7.5	3.8	0.9	-	-	-

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: $V_{DD} = +6V$, $V_C = +2V$, $I_{DD} = 30mA$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
0.2	11.0	21.3	16.4	9.3	1.6	0.8	11.0	21.5	18.2
0.4	11.2	21.1	16.5	9.5	1.6	0.8	11.8	22.1	7.2
0.6	11.3	21.1	16.4	9.6	1.6	0.8	12.1	22.2	5.2
0.8	11.3	21.1	16.4	9.7	1.6	0.8	12.4	21.7	5.0
1.0	11.3	21.2	16.5	9.8	1.6	0.8	12.0	21.8	5.0
1.2	11.3	21.2	16.6	9.9	1.6	0.8	12.2	21.7	5.0
1.4	11.3	21.3	16.8	10.1	1.6	0.8	12.4	22.0	5.0
1.6	11.3	21.3	17.0	10.2	1.7	0.8	12.5	22.1	4.9
1.8	11.2	21.4	17.4	10.5	1.7	0.8	12.4	22.2	4.9
2.0	11.2	21.5	17.8	10.7	1.7	0.8	12.8	21.9	4.9
2.2	11.2	21.6	18.5	10.9	1.7	0.8	12.8	21.8	4.9
2.4	11.2	21.6	19.3	11.2	1.8	0.8	13.4	21.9	5.0
2.6	11.2	21.7	20.3	11.6	1.8	0.8	13.1	21.9	5.0
2.8	11.2	21.8	21.1	11.8	1.8	0.8	13.6	21.8	5.1
3.0	11.2	21.9	21.8	12.0	1.8	0.9	13.4	21.9	5.1
3.2	11.2	21.9	22.9	12.2	1.8	0.9	13.5	21.7	5.0
3.4	11.2	22.0	24.1	12.2	1.9	0.9	14.0	21.9	5.0
3.6	11.2	22.0	25.4	12.2	1.9	0.9	13.9	21.5	5.0
3.8	11.1	22.1	26.4	12.1	1.9	0.9	14.0	21.3	5.0
4.0	11.1	22.3	26.9	11.8	1.9	0.9	14.0	21.6	5.0
4.2	11.0	22.4	26.3	11.5	2.0	0.9	14.1	21.1	5.0
4.4	10.9	22.5	25.0	11.1	2.0	0.9	13.7	21.6	5.0
4.6	10.8	22.7	23.4	10.7	2.0	0.9	14.0	21.4	5.0
4.8	10.6	22.9	21.9	10.3	2.1	0.9	13.8	21.4	5.0
5.0	10.5	23.0	20.6	9.8	2.1	0.9	14.1	21.3	5.0
5.2	10.3	23.2	19.3	9.4	2.2	0.9	13.7	21.0	5.1
5.4	10.1	23.4	18.1	9.0	2.2	0.9	13.0	20.9	5.0
5.6	9.9	23.6	17.0	8.5	2.3	0.8	13.4	21.0	5.0
5.8	9.8	23.8	16.0	8.2	2.3	0.8	13.0	20.8	5.0
6.0	9.6	24.0	15.1	7.8	2.4	0.8	12.8	20.9	5.0
6.2	9.4	24.1	14.3	7.5	2.4	0.8	12.9	20.6	5.0
6.4	9.2	24.3	13.6	7.3	2.4	0.8	12.7	20.6	5.0
6.6	9.0	24.4	13.0	7.0	2.5	0.8	12.8	21.0	5.0
6.8	8.9	24.6	12.4	6.8	2.5	0.8	12.6	20.8	5.0
7.0	8.7	24.7	11.9	6.7	2.6	0.8	12.3	20.9	5.0
7.2	8.6	24.8	11.5	6.5	2.6	0.8	12.5	20.8	5.0
7.4	8.5	24.8	11.2	6.4	2.6	0.8	12.4	20.7	5.0
7.6	8.4	24.9	10.8	6.4	2.7	0.8	12.6	21.0	5.0
7.8	8.3	25.0	10.6	6.4	2.7	0.8	12.7	21.0	5.0
8.0	8.2	25.0	10.3	6.4	2.7	0.8	12.3	21.0	5.1
8.2	8.1	25.0	10.0	6.4	2.7	0.8	12.5	21.0	5.0
8.4	8.0	25.1	9.8	6.4	2.8	0.8	12.4	20.9	5.1
8.6	7.9	25.1	9.5	6.5	2.8	0.8	12.6	20.9	5.1
8.8	7.8	25.1	9.3	6.5	2.9	0.9	12.4	20.9	5.1
9.0	7.7	25.2	9.0	6.6	2.9	0.9	12.6	21.0	5.1
9.2	7.6	25.2	8.8	6.7	2.9	0.9	12.4	21.0	5.1
9.4	7.5	25.3	8.5	6.8	3.0	0.9	12.5	20.9	5.1
9.6	7.3	25.3	8.3	6.8	3.0	0.9	12.7	20.7	5.2
9.8	7.2	25.3	8.1	6.9	3.1	0.9	13.2	21.0	5.2
10.0	7.1	25.4	7.9	7.0	3.1	0.9	12.8	20.5	5.2
11.0	6.6	25.4	7.4	7.4	3.3	0.9	12.7	21.2	5.3
12.0	6.5	25.2	7.8	7.9	3.4	1.0	12.6	21.3	5.4
13.0	6.3	24.8	9.0	7.8	3.5	0.9	-	-	-
14.0	5.7	24.8	10.4	6.8	3.7	0.9	-	-	-
15.0	4.9	25.0	11.7	5.7	4.0	0.8	-	-	-

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

- Input Return Loss = -S11 (dB)
- Gain(Power Gain) = S21 (dB)
- Reverse Isolation = -S12 (dB)
- Output Return Loss = -S22 (dB)

TEST CONDITIONS: $V_{DD} = +6V$, $V_C = +1V$, $I_{DD} = 14mA @$ Temperature = $+25^{\circ}C$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
0.2	8.4	19.3	9.8	6.4	1.5	0.7	12.3	21.0	22.2
0.4	8.4	19.3	10.0	6.4	1.5	0.7	12.5	21.8	8.7
0.6	8.4	19.3	10.1	6.5	1.5	0.7	12.7	22.1	5.7
0.8	8.4	19.3	10.2	6.6	1.6	0.7	12.8	21.5	5.4
1.0	8.4	19.4	10.3	6.6	1.6	0.7	12.5	21.4	5.4
1.2	8.3	19.4	10.4	6.7	1.6	0.7	12.6	21.7	5.4
1.4	8.3	19.5	10.6	6.9	1.6	0.7	12.8	21.7	5.4
1.6	8.3	19.5	10.8	7.0	1.6	0.7	12.8	22.0	5.4
1.8	8.3	19.6	11.1	7.2	1.7	0.7	12.9	22.1	5.4
2.0	8.2	19.6	11.4	7.3	1.7	0.7	13.3	21.7	5.3
2.2	8.2	19.7	11.8	7.5	1.7	0.8	13.2	21.6	5.3
2.4	8.2	19.7	12.3	7.7	1.8	0.8	13.5	21.8	5.3
2.6	8.1	19.7	12.8	8.0	1.8	0.8	13.4	21.7	5.4
2.8	8.1	19.8	13.3	8.2	1.8	0.8	13.8	21.7	5.5
3.0	8.1	19.8	13.6	8.3	1.9	0.8	13.8	21.8	5.5
3.2	8.1	19.9	14.1	8.5	1.9	0.8	13.8	21.7	5.3
3.4	8.1	19.9	14.5	8.6	1.9	0.8	14.2	21.9	5.3
3.6	8.0	20.0	15.0	8.7	1.9	0.8	14.3	21.6	5.3
3.8	7.9	20.0	15.4	8.7	2.0	0.8	14.4	21.5	5.3
4.0	7.8	20.2	15.6	8.6	2.0	0.8	14.4	21.7	5.3
4.2	7.7	20.3	15.7	8.5	2.1	0.8	14.8	21.4	5.3
4.4	7.6	20.4	15.6	8.3	2.1	0.8	14.8	21.7	5.3
4.6	7.4	20.6	15.4	8.1	2.2	0.8	14.9	21.7	5.3
4.8	7.2	20.8	15.0	7.7	2.2	0.8	14.7	21.7	5.4
5.0	6.9	21.1	14.5	7.4	2.3	0.8	15.1	21.6	5.3
5.2	6.7	21.3	14.0	7.1	2.4	0.8	15.3	21.0	5.5
5.4	6.4	21.6	13.4	6.7	2.5	0.8	15.3	21.0	5.4
5.6	6.2	21.8	12.8	6.4	2.5	0.8	15.5	21.0	5.4
5.8	5.9	22.1	12.3	6.1	2.6	0.8	15.7	21.0	5.4
6.0	5.6	22.3	11.7	5.8	2.7	0.8	16.3	21.1	5.4
6.2	5.4	22.6	11.3	5.6	2.8	0.7	16.4	20.6	5.4
6.4	5.1	22.8	10.9	5.4	2.9	0.7	16.7	20.6	5.5
6.6	4.9	23.1	10.5	5.2	3.0	0.7	17.5	20.8	5.5
6.8	4.6	23.3	10.2	5.1	3.1	0.7	18.1	20.8	5.5
7.0	4.4	23.5	10.0	5.0	3.2	0.7	18.4	20.8	5.5
7.2	4.2	23.7	9.7	4.9	3.3	0.7	18.8	20.6	5.6
7.4	4.0	23.9	9.5	4.9	3.4	0.7	18.4	20.4	5.6
7.6	3.8	24.0	9.4	4.9	3.5	0.7	18.7	20.7	5.7
7.8	3.7	24.2	9.2	4.8	3.6	0.7	19.2	20.9	5.7
8.0	3.5	24.3	9.1	4.9	3.7	0.7	16.4	20.8	5.7
8.2	3.4	24.4	9.0	4.9	3.8	0.7	16.6	20.9	5.7
8.4	3.2	24.6	8.8	4.9	3.9	0.7	16.1	20.5	5.8
8.6	3.1	24.7	8.7	4.9	4.0	0.7	16.2	20.6	5.9
8.8	2.9	24.8	8.5	4.9	4.1	0.8	15.0	20.8	5.9
9.0	2.8	24.9	8.4	4.9	4.2	0.8	15.0	20.9	5.9
9.2	2.6	25.0	8.2	4.9	4.3	0.8	14.4	21.0	6.0
9.4	2.5	25.1	8.0	4.9	4.4	0.8	14.2	20.8	6.1
9.6	2.3	25.2	7.9	4.9	4.5	0.8	14.5	20.8	6.1
9.8	2.1	25.3	7.7	4.9	4.6	0.8	15.1	21.1	6.2
10.0	2.0	25.4	7.6	4.9	4.8	0.8	13.6	20.5	6.2
11.0	1.4	25.6	7.5	5.2	5.4	0.8	12.5	21.2	6.5
12.0	1.2	25.2	8.2	5.9	5.8	0.8	12.3	21.3	7.0
13.0	0.9	24.5	9.6	6.1	5.9	0.8	-	-	-
14.0	0.1	24.3	11.4	5.4	6.2	0.8	-	-	-
15.0	-1.0	24.2	13.6	4.5	6.5	0.7	-	-	-

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

- Input Return Loss = -S11 (dB)
- Gain(Power Gain) = S21 (dB)
- Reverse Isolation = -S12 (dB)
- Output Return Loss = -S22 (dB)

TEST CONDITIONS: $V_{DD} = +6V$, $V_C = +0.8V$, $I_{DD} = 8mA$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
0.2	6.9	18.8	8.2	5.5	1.5	0.7	11.3	20.8	22.1
0.4	6.9	18.7	8.4	5.5	1.5	0.7	11.4	21.7	8.6
0.6	6.9	18.7	8.5	5.6	1.6	0.7	11.5	22.0	5.8
0.8	6.8	18.8	8.6	5.6	1.6	0.7	11.5	21.4	5.5
1.0	6.8	18.8	8.7	5.7	1.6	0.7	11.6	21.4	5.5
1.2	6.7	18.9	8.8	5.8	1.6	0.7	11.6	21.6	5.5
1.4	6.7	19.0	9.0	5.9	1.7	0.7	11.7	21.8	5.6
1.6	6.6	19.0	9.2	6.0	1.7	0.7	11.8	21.9	5.5
1.8	6.6	19.1	9.4	6.1	1.8	0.7	12.1	22.2	5.5
2.0	6.5	19.2	9.7	6.3	1.8	0.7	12.2	21.9	5.4
2.2	6.5	19.2	10.0	6.4	1.8	0.7	12.3	21.5	5.5
2.4	6.4	19.3	10.5	6.6	1.9	0.7	12.4	21.9	5.5
2.6	6.3	19.3	10.9	6.8	1.9	0.8	12.6	21.7	5.6
2.8	6.2	19.4	11.4	6.9	2.0	0.8	12.6	21.7	5.8
3.0	6.2	19.5	11.6	7.0	2.0	0.8	12.8	21.8	5.7
3.2	6.1	19.5	11.9	7.1	2.1	0.8	12.8	21.6	5.5
3.4	6.1	19.5	12.3	7.2	2.1	0.8	12.8	22.0	5.5
3.6	6.0	19.6	12.6	7.2	2.1	0.8	12.9	21.5	5.5
3.8	5.9	19.7	12.9	7.2	2.2	0.8	12.7	21.5	5.5
4.0	5.7	19.8	13.1	7.1	2.3	0.8	12.4	21.6	5.6
4.2	5.5	20.0	13.1	7.0	2.3	0.8	12.6	21.3	5.6
4.4	5.3	20.2	13.1	6.8	2.4	0.8	12.1	21.7	5.6
4.6	5.1	20.5	12.9	6.6	2.5	0.8	12.1	21.6	5.7
4.8	4.8	20.7	12.7	6.4	2.6	0.8	11.9	21.7	5.7
5.0	4.5	21.0	12.4	6.2	2.7	0.8	11.8	21.6	5.7
5.2	4.1	21.3	12.0	5.9	2.9	0.7	11.5	20.9	5.9
5.4	3.8	21.6	11.6	5.7	3.0	0.7	11.0	20.9	5.8
5.6	3.4	22.0	11.2	5.5	3.2	0.7	11.1	20.8	5.9
5.8	3.1	22.3	10.8	5.3	3.3	0.7	10.8	20.7	6.0
6.0	2.7	22.6	10.4	5.1	3.5	0.7	10.4	21.0	6.0
6.2	2.4	22.9	10.1	4.9	3.7	0.7	10.3	20.4	6.0
6.4	2.1	23.2	9.8	4.7	3.8	0.7	10.0	20.3	6.1
6.6	1.8	23.5	9.5	4.6	4.0	0.7	10.0	20.6	6.2
6.8	1.5	23.8	9.3	4.5	4.2	0.7	9.8	20.7	6.2
7.0	1.2	24.1	9.1	4.4	4.4	0.7	9.5	20.8	6.4
7.2	0.9	24.3	9.0	4.3	4.6	0.7	9.5	20.4	6.4
7.4	0.7	24.5	8.9	4.2	4.8	0.7	9.2	20.1	6.4
7.6	0.5	24.7	8.8	4.2	4.9	0.7	9.2	20.4	6.6
7.8	0.3	24.9	8.7	4.2	5.1	0.7	9.2	20.8	6.6
8.0	0.1	25.0	8.7	4.2	5.3	0.7	8.7	20.6	6.8
8.2	-0.1	25.2	8.6	4.2	5.5	0.7	8.8	20.7	6.7
8.4	-0.2	25.3	8.5	4.2	5.7	0.7	8.7	20.4	6.8
8.6	-0.4	25.4	8.4	4.2	6.0	0.7	8.7	20.3	7.0
8.8	-0.6	25.6	8.3	4.3	6.2	0.7	8.4	20.7	7.1
9.0	-0.8	25.7	8.2	4.3	6.4	0.7	8.5	20.7	7.2
9.2	-1.0	25.8	8.1	4.4	6.7	0.7	8.4	20.8	7.2
9.4	-1.2	25.9	8.0	4.5	6.9	0.7	8.4	20.7	7.4
9.6	-1.4	26.0	7.8	4.5	7.2	0.7	8.4	20.7	7.4
9.8	-1.5	26.1	7.7	4.6	7.5	0.8	8.7	21.0	7.6
10.0	-1.7	26.2	7.6	4.7	7.7	0.8	8.3	20.5	7.7
11.0	-2.4	26.3	7.6	5.1	8.9	0.8	8.1	21.0	8.1
12.0	-2.7	25.8	8.5	5.5	9.5	0.8	8.2	20.8	8.6
13.0	-3.1	25.0	10.2	5.7	9.6	0.8	-	-	-
14.0	-4.0	24.6	12.3	5.3	10.2	0.7	-	-	-
15.0	-5.1	24.4	14.6	4.5	10.7	0.7	-	-	-

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

- Input Return Loss = -S11 (dB)
- Gain(Power Gain) = S21 (dB)
- Reverse Isolation = -S12 (dB)
- Output Return Loss = -S22 (dB)

TEST CONDITIONS: $V_{DD} = +5V$, $V_C = +5V$, $I_{DD} = 72mA @$ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
0.2	16.4	25.9	16.3	18.3	1.6	0.9	26.4	19.5	12.8
0.4	16.6	25.5	18.8	18.7	1.6	0.9	26.7	19.3	5.5
0.6	16.6	25.5	19.5	18.8	1.6	0.9	27.3	19.7	4.4
0.8	16.6	25.5	19.8	18.7	1.6	0.9	27.5	19.5	4.3
1.0	16.7	25.5	19.8	18.6	1.6	0.9	27.3	19.3	4.2
1.2	16.7	25.6	19.8	18.4	1.6	0.9	27.6	19.7	4.2
1.4	16.7	25.7	19.7	18.2	1.6	0.9	28.0	19.4	4.2
1.6	16.7	25.7	19.4	18.0	1.6	0.9	28.0	19.9	4.2
1.8	16.7	25.8	19.2	17.7	1.6	0.9	28.1	19.5	4.2
2.0	16.7	25.9	18.8	17.4	1.6	0.9	28.8	19.5	4.2
2.2	16.7	26.1	18.3	17.0	1.7	0.9	28.5	19.4	4.2
2.4	16.6	26.2	17.7	16.6	1.7	0.9	29.0	19.1	4.3
2.6	16.6	26.3	17.2	16.1	1.7	0.9	29.0	19.5	4.3
2.8	16.5	26.5	16.9	15.8	1.7	0.9	30.5	18.9	4.5
3.0	16.5	26.6	16.6	15.3	1.8	0.9	30.3	19.2	4.4
3.2	16.5	26.7	16.2	15.0	1.8	0.9	30.7	18.9	4.3
3.4	16.5	26.9	15.6	14.6	1.8	0.9	31.7	18.8	4.3
3.6	16.5	27.0	15.2	14.3	1.8	0.9	31.9	18.8	4.3
3.8	16.5	27.2	14.8	14.0	1.8	0.9	32.6	18.4	4.3
4.0	16.4	27.3	14.5	13.7	1.9	0.9	33.1	18.8	4.4
4.2	16.4	27.5	14.2	13.4	1.9	0.9	34.6	18.3	4.4
4.4	16.3	27.6	14.1	13.3	1.9	0.9	33.3	18.5	4.4
4.6	16.3	27.8	13.9	13.1	2.0	0.9	33.1	18.4	4.4
4.8	16.2	28.0	13.9	13.0	2.0	0.9	32.2	18.3	4.4
5.0	16.1	28.1	13.8	12.8	2.1	0.9	31.3	18.4	4.5
5.2	16.1	28.3	13.8	12.7	2.1	0.9	30.9	18.1	4.5
5.4	16.0	28.4	13.8	12.5	2.1	0.9	30.0	18.1	4.5
5.6	15.9	28.6	13.8	12.4	2.2	0.9	29.9	18.0	4.5
5.8	15.9	28.7	13.7	12.2	2.2	0.9	29.6	18.0	4.5
6.0	15.8	28.8	13.6	12.0	2.2	0.9	28.9	18.0	4.5
6.2	15.7	28.9	13.4	11.9	2.3	1.0	29.0	18.0	4.5
6.4	15.6	29.0	13.1	11.7	2.3	1.0	28.7	17.9	4.5
6.6	15.5	29.1	12.9	11.6	2.3	1.0	28.9	18.1	4.5
6.8	15.4	29.2	12.6	11.5	2.3	1.0	28.4	18.0	4.5
7.0	15.4	29.3	12.3	11.5	2.4	1.0	28.1	17.9	4.4
7.2	15.3	29.3	12.0	11.4	2.4	1.0	28.0	18.1	4.5
7.4	15.2	29.4	11.7	11.4	2.4	1.0	27.9	17.8	4.5
7.6	15.1	29.4	11.4	11.5	2.4	1.0	27.7	18.2	4.5
7.8	15.0	29.4	11.1	11.5	2.5	1.0	27.9	17.9	4.5
8.0	14.9	29.4	10.8	11.6	2.5	1.0	27.7	17.9	4.5
8.2	14.8	29.4	10.5	11.8	2.5	1.0	27.7	17.9	4.5
8.4	14.7	29.5	10.2	12.0	2.5	1.0	27.9	17.8	4.5
8.6	14.6	29.5	9.9	12.2	2.6	1.0	27.8	18.0	4.5
8.8	14.5	29.5	9.7	12.4	2.6	1.0	27.5	17.6	4.5
9.0	14.4	29.4	9.4	12.6	2.6	1.1	27.7	17.9	4.5
9.2	14.3	29.5	9.1	12.9	2.6	1.1	27.6	17.6	4.6
9.4	14.2	29.5	8.9	13.1	2.7	1.1	27.5	17.7	4.6
9.6	14.0	29.5	8.7	13.3	2.7	1.1	27.4	17.6	4.6
9.8	13.9	29.5	8.5	13.6	2.7	1.1	27.6	17.3	4.6
10.0	13.8	29.5	8.3	13.8	2.8	1.1	27.5	17.5	4.6
11.0	13.2	29.3	8.1	14.5	2.9	1.1	27.1	17.2	4.6
12.0	12.9	29.0	8.9	14.5	3.0	1.1	27.5	17.2	4.7
13.0	12.5	28.9	10.3	12.5	3.2	1.0	-	-	-
14.0	11.7	29.0	11.8	10.2	3.5	1.0	-	-	-
15.0	10.8	29.4	12.0	8.5	3.9	0.9	-	-	-

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

- Input Return Loss = -S11 (dB)
- Gain(Power Gain) = S21 (dB)
- Reverse Isolation = -S12 (dB)
- Output Return Loss = -S22 (dB)

TEST CONDITIONS: $V_{DD} = +5V$, $V_C = +4V$, $I_{DD} = 55mA$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
0.2	15.6	24.9	18.3	29.9	1.6	0.9	23.6	19.4	13.7
0.4	15.8	24.6	22.7	30.9	1.6	0.9	24.2	19.0	5.7
0.6	15.8	24.5	24.2	30.6	1.6	0.9	24.9	19.5	4.5
0.8	15.8	24.5	24.8	29.9	1.6	0.9	25.1	19.4	4.4
1.0	15.9	24.6	25.0	29.3	1.6	0.9	24.8	19.1	4.3
1.2	15.9	24.6	24.9	28.6	1.6	0.9	25.3	19.6	4.3
1.4	15.9	24.7	24.6	27.9	1.6	0.9	25.6	19.2	4.3
1.6	15.9	24.8	24.1	27.1	1.6	0.9	25.6	19.6	4.2
1.8	15.8	24.9	23.6	26.3	1.6	0.9	25.6	19.2	4.3
2.0	15.8	25.0	23.0	25.4	1.6	0.9	26.4	19.3	4.2
2.2	15.8	25.1	22.1	24.4	1.7	0.9	26.4	19.3	4.2
2.4	15.8	25.2	21.2	23.2	1.7	0.9	27.1	18.9	4.3
2.6	15.8	25.3	20.3	21.9	1.7	0.9	26.9	19.3	4.3
2.8	15.7	25.5	19.9	21.1	1.7	0.9	27.9	18.8	4.5
3.0	15.7	25.6	19.4	20.1	1.8	0.9	28.0	19.0	4.4
3.2	15.7	25.7	18.7	19.1	1.8	0.9	28.0	18.8	4.4
3.4	15.7	25.8	18.0	18.3	1.8	0.9	29.5	18.7	4.3
3.6	15.7	26.0	17.3	17.4	1.8	0.9	29.6	18.8	4.3
3.8	15.7	26.1	16.8	16.7	1.8	0.9	30.2	18.3	4.4
4.0	15.6	26.2	16.4	16.0	1.9	0.9	31.7	18.7	4.4
4.2	15.6	26.4	16.0	15.4	1.9	0.9	30.8	18.3	4.4
4.4	15.5	26.6	15.8	14.9	1.9	0.9	30.2	18.4	4.4
4.6	15.4	26.7	15.5	14.5	2.0	0.9	30.9	18.3	4.4
4.8	15.4	26.9	15.4	14.0	2.0	0.9	30.6	18.2	4.4
5.0	15.3	27.1	15.3	13.6	2.0	0.9	30.6	18.2	4.5
5.2	15.2	27.2	15.2	13.2	2.1	0.9	29.6	18.0	4.6
5.4	15.1	27.4	15.0	12.8	2.1	0.9	28.6	18.1	4.5
5.6	15.0	27.5	14.9	12.4	2.1	0.9	28.5	17.9	4.5
5.8	14.9	27.7	14.7	12.1	2.2	0.9	28.1	17.9	4.5
6.0	14.8	27.8	14.4	11.7	2.2	0.9	27.5	17.9	4.5
6.2	14.7	27.9	14.0	11.5	2.2	0.9	27.1	17.8	4.5
6.4	14.6	28.0	13.7	11.2	2.3	0.9	26.9	17.8	4.5
6.6	14.5	28.1	13.3	11.0	2.3	0.9	26.7	17.9	4.5
6.8	14.4	28.2	12.9	10.8	2.3	1.0	26.5	17.8	4.5
7.0	14.3	28.2	12.5	10.7	2.3	1.0	25.9	17.7	4.4
7.2	14.2	28.3	12.2	10.6	2.4	1.0	26.0	17.9	4.4
7.4	14.2	28.3	11.8	10.5	2.4	1.0	25.7	17.6	4.4
7.6	14.1	28.3	11.5	10.5	2.4	1.0	25.7	18.0	4.5
7.8	14.0	28.4	11.2	10.6	2.4	1.0	25.9	17.6	4.5
8.0	13.9	28.4	10.9	10.6	2.4	1.0	25.6	17.6	4.5
8.2	13.8	28.4	10.6	10.7	2.5	1.0	25.7	17.6	4.5
8.4	13.7	28.4	10.3	10.9	2.5	1.0	25.5	17.4	4.5
8.6	13.6	28.4	10.0	11.1	2.5	1.0	25.6	17.8	4.5
8.8	13.5	28.4	9.7	11.3	2.5	1.0	25.2	17.3	4.5
9.0	13.4	28.4	9.4	11.5	2.5	1.0	25.4	17.5	4.5
9.2	13.3	28.4	9.1	11.7	2.6	1.0	24.9	17.4	4.5
9.4	13.2	28.5	8.9	11.9	2.6	1.1	24.6	17.2	4.5
9.6	13.0	28.5	8.6	12.1	2.6	1.1	24.6	17.5	4.6
9.8	12.9	28.5	8.4	12.3	2.7	1.1	25.3	17.0	4.6
10.0	12.8	28.5	8.3	12.5	2.7	1.1	24.5	17.4	4.6
11.0	12.3	28.4	8.0	13.2	2.8	1.1	24.0	17.3	4.6
12.0	12.0	28.1	8.6	13.5	3.0	1.1	24.6	17.2	4.8
13.0	11.7	28.0	10.0	12.0	3.1	1.0	-	-	-
14.0	10.9	28.2	11.5	9.8	3.4	1.0	-	-	-
15.0	10.0	28.6	11.9	8.2	3.8	0.9	-	-	-

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

- Input Return Loss = -S11 (dB)
- Gain(Power Gain) = S21 (dB)
- Reverse Isolation = -S12 (dB)
- Output Return Loss = -S22 (dB)

TEST CONDITIONS: $V_{DD} = +5V$, $V_C = +3V$, $I_{DD} = 41mA$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
0.2	13.89	23.28	20.88	17.97	1.61	0.88	17.4	19.6	15.3
0.4	14.07	22.99	27.24	18.09	1.57	0.86	18.4	19.8	6.1
0.6	14.12	22.97	29.81	18.19	1.56	0.86	18.9	20.1	4.7
0.8	14.14	22.99	31.16	18.36	1.57	0.86	19.3	19.7	4.5
1.0	14.14	23.03	31.90	18.52	1.58	0.86	18.8	19.8	4.5
1.2	14.14	23.10	32.33	18.74	1.59	0.86	19.1	19.9	4.5
1.4	14.13	23.16	32.95	19.08	1.60	0.87	19.4	19.9	4.5
1.6	14.14	23.24	33.71	19.53	1.62	0.87	19.5	20.2	4.4
1.8	14.12	23.32	34.32	20.12	1.64	0.88	19.3	20.0	4.4
2.0	14.12	23.40	35.45	20.75	1.66	0.88	20.0	19.9	4.4
2.2	14.12	23.50	36.32	21.49	1.67	0.88	19.9	19.8	4.4
2.4	14.10	23.60	35.23	22.25	1.70	0.89	20.6	19.7	4.5
2.6	14.05	23.71	32.72	23.06	1.73	0.90	20.3	19.9	4.5
2.8	14.03	23.86	31.09	23.29	1.76	0.90	21.1	19.4	4.6
3.0	14.02	23.94	29.97	23.27	1.77	0.90	20.9	19.7	4.6
3.2	14.03	24.02	28.06	22.15	1.78	0.90	21.0	19.2	4.5
3.4	14.04	24.12	25.97	20.96	1.80	0.91	21.9	19.3	4.5
3.6	14.02	24.21	24.12	19.64	1.81	0.91	21.8	19.2	4.5
3.8	13.98	24.35	22.76	18.41	1.84	0.91	22.1	18.6	4.5
4.0	13.94	24.48	21.69	17.28	1.86	0.91	22.4	19.3	4.5
4.2	13.87	24.63	20.84	16.27	1.89	0.91	22.5	18.5	4.5
4.4	13.80	24.78	20.15	15.33	1.92	0.91	22.1	18.8	4.5
4.6	13.70	24.94	19.54	14.52	1.95	0.92	22.7	18.7	4.5
4.8	13.60	25.12	19.01	13.76	1.99	0.92	22.4	18.6	4.6
5.0	13.48	25.28	18.50	13.06	2.03	0.92	23.4	18.7	4.6
5.2	13.36	25.45	18.02	12.40	2.07	0.92	22.6	18.3	4.7
5.4	13.24	25.60	17.49	11.79	2.11	0.91	21.8	18.3	4.6
5.6	13.11	25.76	16.90	11.24	2.14	0.91	22.5	18.2	4.6
5.8	12.99	25.91	16.27	10.75	2.18	0.91	21.6	18.2	4.6
6.0	12.85	26.05	15.62	10.31	2.21	0.91	21.7	18.3	4.6
6.2	12.71	26.18	14.98	9.93	2.24	0.91	22.1	18.2	4.6
6.4	12.59	26.28	14.36	9.61	2.27	0.91	21.7	18.1	4.6
6.6	12.47	26.39	13.78	9.33	2.30	0.91	21.8	18.4	4.6
6.8	12.36	26.48	13.24	9.10	2.32	0.91	21.4	18.2	4.6
7.0	12.25	26.56	12.74	8.93	2.34	0.91	20.9	18.2	4.6
7.2	12.15	26.62	12.28	8.79	2.36	0.91	21.4	18.3	4.6
7.4	12.06	26.67	11.89	8.69	2.38	0.91	21.2	18.2	4.6
7.6	11.97	26.69	11.52	8.65	2.39	0.92	21.8	18.5	4.6
7.8	11.89	26.72	11.18	8.65	2.41	0.92	21.9	18.3	4.6
8.0	11.80	26.74	10.86	8.68	2.43	0.93	21.0	18.4	4.6
8.2	11.72	26.74	10.56	8.75	2.45	0.94	21.8	18.3	4.6
8.4	11.63	26.75	10.26	8.88	2.47	0.95	21.6	18.3	4.6
8.6	11.56	26.76	9.96	8.98	2.49	0.96	21.8	18.4	4.6
8.8	11.47	26.78	9.67	9.13	2.52	0.97	21.6	18.2	4.6
9.0	11.35	26.78	9.38	9.25	2.54	0.98	21.9	18.5	4.6
9.2	11.26	26.79	9.09	9.42	2.57	0.99	21.7	18.3	4.7
9.4	11.14	26.85	8.83	9.58	2.61	1.00	21.7	18.4	4.7
9.6	11.02	26.85	8.57	9.70	2.63	1.01	21.9	18.1	4.7
9.8	10.89	26.87	8.34	9.85	2.66	1.02	22.9	18.2	4.7
10.0	10.77	26.89	8.15	9.99	2.70	1.03	21.9	17.9	4.7
11.0	10.33	26.82	7.70	10.57	2.83	1.06	20.0	17.5	4.7
12.0	10.12	26.56	8.23	11.05	2.93	1.05	20.0	17.5	4.9
13.0	9.89	26.39	9.53	10.35	3.05	1.01	-	-	-
14.0	9.23	26.59	11.02	8.71	3.32	0.94	-	-	-
15.0	8.33	26.98	11.76	7.25	3.65	0.87	-	-	-

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: $V_{DD} = +5V$, $V_C = +2V$, $I_{DD} = 29mA$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
0.2	10.5	21.1	15.8	8.6	1.6	0.8	10.4	19.6	18.4
0.4	10.7	20.9	15.7	8.8	1.6	0.8	11.1	20.0	7.4
0.6	10.7	20.9	15.6	8.9	1.6	0.8	11.3	20.1	5.4
0.8	10.7	20.9	15.6	9.0	1.6	0.8	11.6	19.7	5.2
1.0	10.7	21.0	15.7	9.1	1.6	0.8	11.3	19.8	5.1
1.2	10.7	21.0	15.8	9.2	1.6	0.8	11.4	19.8	5.1
1.4	10.7	21.1	16.0	9.4	1.7	0.8	11.7	20.0	5.1
1.6	10.7	21.1	16.2	9.5	1.7	0.8	11.8	20.1	5.1
1.8	10.7	21.2	16.5	9.7	1.7	0.8	11.6	20.2	5.1
2.0	10.6	21.3	16.9	9.9	1.7	0.8	12.0	20.0	5.0
2.2	10.6	21.3	17.5	10.2	1.8	0.8	12.0	19.8	5.0
2.4	10.6	21.4	18.3	10.4	1.8	0.8	12.5	20.0	5.1
2.6	10.6	21.5	19.2	10.8	1.8	0.8	12.2	19.9	5.1
2.8	10.6	21.6	19.9	11.0	1.8	0.8	12.7	19.9	5.3
3.0	10.6	21.6	20.4	11.2	1.9	0.8	12.6	20.0	5.2
3.2	10.6	21.7	21.4	11.3	1.9	0.8	12.6	19.7	5.1
3.4	10.6	21.7	22.5	11.3	1.9	0.9	13.1	20.0	5.1
3.6	10.6	21.8	23.6	11.3	1.9	0.9	13.0	19.5	5.1
3.8	10.5	21.9	24.6	11.2	1.9	0.9	13.1	19.3	5.1
4.0	10.5	22.0	25.2	11.0	2.0	0.9	13.0	19.8	5.1
4.2	10.4	22.1	25.2	10.8	2.0	0.9	13.2	18.9	5.1
4.4	10.3	22.3	24.4	10.4	2.0	0.9	12.8	19.5	5.1
4.6	10.2	22.4	23.1	10.1	2.1	0.9	13.1	19.2	5.1
4.8	10.0	22.6	21.7	9.7	2.1	0.9	12.8	19.2	5.1
5.0	9.8	22.8	20.4	9.3	2.2	0.8	13.1	19.2	5.1
5.2	9.7	23.0	19.2	8.9	2.2	0.8	12.7	18.8	5.3
5.4	9.5	23.1	18.1	8.5	2.3	0.8	12.2	18.6	5.1
5.6	9.3	23.3	17.0	8.1	2.3	0.8	12.5	18.6	5.1
5.8	9.1	23.5	16.0	7.8	2.4	0.8	12.1	18.5	5.1
6.0	8.9	23.7	15.1	7.5	2.4	0.8	11.9	18.6	5.1
6.2	8.7	23.8	14.3	7.2	2.5	0.8	12.0	18.5	5.1
6.4	8.5	24.0	13.6	6.9	2.5	0.8	11.8	18.4	5.1
6.6	8.4	24.1	13.0	6.7	2.5	0.8	11.9	18.9	5.1
6.8	8.2	24.3	12.4	6.5	2.6	0.8	11.8	18.6	5.1
7.0	8.0	24.4	12.0	6.4	2.6	0.8	11.5	18.7	5.1
7.2	7.9	24.5	11.6	6.3	2.6	0.8	11.7	18.7	5.1
7.4	7.8	24.5	11.2	6.2	2.7	0.8	11.6	18.7	5.1
7.6	7.7	24.6	10.9	6.1	2.7	0.8	11.7	19.1	5.1
7.8	7.6	24.6	10.6	6.1	2.7	0.8	11.8	19.0	5.1
8.0	7.5	24.7	10.4	6.1	2.8	0.8	11.5	19.1	5.2
8.2	7.4	24.7	10.1	6.1	2.8	0.8	11.6	19.0	5.2
8.4	7.3	24.7	9.9	6.2	2.8	0.8	11.5	19.1	5.2
8.6	7.2	24.8	9.6	6.2	2.9	0.8	11.7	19.0	5.2
8.8	7.1	24.8	9.4	6.3	2.9	0.8	11.5	19.0	5.2
9.0	7.0	24.8	9.2	6.4	3.0	0.9	11.7	19.2	5.2
9.2	6.9	24.9	8.9	6.5	3.0	0.9	11.5	19.0	5.3
9.4	6.7	24.9	8.6	6.6	3.1	0.9	11.6	19.3	5.3
9.6	6.6	24.9	8.4	6.6	3.1	0.9	11.7	18.8	5.3
9.8	6.5	25.0	8.2	6.7	3.1	0.9	12.1	19.4	5.3
10.0	6.3	25.0	8.0	6.8	3.2	0.9	11.7	18.7	5.3
11.0	5.9	25.0	7.5	7.2	3.4	0.9	11.6	19.6	5.4
12.0	5.8	24.7	7.9	7.6	3.5	0.9	11.6	19.6	5.5
13.0	5.6	24.3	9.1	7.5	3.6	0.9	-	-	-
14.0	5.0	24.3	10.6	6.6	3.8	0.8	-	-	-
15.0	4.1	24.5	12.0	5.6	4.0	0.8	-	-	-

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

- Input Return Loss = -S11 (dB)
- Gain(Power Gain) = S21 (dB)
- Reverse Isolation = -S12 (dB)
- Output Return Loss = -S22 (dB)

TEST CONDITIONS: $V_{DD} = +5V$, $V_C = +1V$, $I_{DD} = 13mA @$ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
0.2	8.33	19.28	9.73	6.38	1.51	0.69	12.4	18.9	22.3
0.4	8.33	19.21	9.96	6.42	1.52	0.69	12.6	19.6	8.8
0.6	8.32	19.24	10.05	6.46	1.53	0.69	12.8	19.8	5.7
0.8	8.30	19.27	10.14	6.51	1.55	0.69	12.8	19.2	5.4
1.0	8.27	19.32	10.24	6.59	1.57	0.70	12.7	19.2	5.4
1.2	8.24	19.38	10.37	6.66	1.59	0.71	12.7	19.5	5.4
1.4	8.20	19.43	10.55	6.77	1.61	0.71	12.9	19.5	5.4
1.6	8.17	19.49	10.77	6.91	1.64	0.72	12.9	19.8	5.4
1.8	8.13	19.54	11.03	7.07	1.67	0.73	13.0	19.9	5.4
2.0	8.10	19.59	11.32	7.24	1.70	0.74	13.3	19.5	5.3
2.2	8.08	19.62	11.72	7.44	1.73	0.75	13.2	19.4	5.3
2.4	8.06	19.67	12.19	7.66	1.76	0.76	13.5	19.6	5.4
2.6	8.02	19.66	12.73	7.97	1.80	0.78	13.5	19.6	5.4
2.8	7.96	19.77	13.22	8.14	1.84	0.78	13.8	19.6	5.6
3.0	7.94	19.80	13.55	8.32	1.87	0.79	13.8	19.7	5.5
3.2	7.93	19.81	13.97	8.50	1.88	0.80	13.8	19.6	5.4
3.4	7.92	19.85	14.43	8.61	1.91	0.80	14.2	19.9	5.3
3.6	7.87	19.89	14.91	8.70	1.93	0.81	14.3	19.6	5.3
3.8	7.79	19.99	15.28	8.69	1.97	0.81	14.4	19.4	5.3
4.0	7.70	20.08	15.55	8.62	2.01	0.81	14.4	19.7	5.3
4.2	7.56	20.22	15.66	8.46	2.05	0.81	14.8	19.4	5.3
4.4	7.41	20.37	15.59	8.24	2.10	0.81	14.7	19.8	5.3
4.6	7.21	20.57	15.34	7.96	2.16	0.80	14.9	19.7	5.3
4.8	7.00	20.77	14.97	7.65	2.22	0.80	14.6	19.8	5.4
5.0	6.76	21.01	14.50	7.32	2.30	0.79	15.0	19.7	5.4
5.2	6.51	21.25	13.95	6.99	2.37	0.78	15.2	19.1	5.5
5.4	6.25	21.50	13.38	6.66	2.45	0.78	15.2	19.1	5.4
5.6	5.98	21.76	12.80	6.35	2.53	0.77	15.4	19.2	5.4
5.8	5.72	22.00	12.24	6.08	2.61	0.76	15.6	19.1	5.5
6.0	5.44	22.26	11.74	5.83	2.70	0.75	16.4	19.3	5.4
6.2	5.18	22.50	11.28	5.62	2.79	0.74	16.6	18.8	5.4
6.4	4.93	22.73	10.88	5.42	2.87	0.74	17.0	18.8	5.5
6.6	4.68	22.97	10.53	5.26	2.97	0.73	17.7	19.2	5.5
6.8	4.45	23.20	10.23	5.12	3.07	0.73	18.4	19.1	5.5
7.0	4.23	23.40	9.96	5.02	3.17	0.72	19.7	19.1	5.6
7.2	4.03	23.59	9.74	4.93	3.27	0.72	20.0	19.0	5.6
7.4	3.84	23.75	9.56	4.88	3.37	0.72	20.8	18.8	5.6
7.6	3.66	23.90	9.40	4.85	3.47	0.72	21.3	19.1	5.7
7.8	3.50	24.04	9.26	4.83	3.58	0.72	22.0	19.4	5.7
8.0	3.34	24.16	9.14	4.84	3.68	0.73	18.2	19.2	5.8
8.2	3.19	24.29	9.00	4.85	3.79	0.73	18.4	19.3	5.8
8.4	3.06	24.43	8.85	4.86	3.90	0.74	17.5	19.0	5.8
8.6	2.91	24.53	8.71	4.88	4.00	0.74	17.7	19.1	5.9
8.8	2.75	24.64	8.56	4.90	4.12	0.75	16.1	19.2	5.9
9.0	2.60	24.73	8.41	4.91	4.21	0.75	16.0	19.3	6.0
9.2	2.44	24.85	8.23	4.91	4.32	0.76	15.4	19.5	6.0
9.4	2.28	24.97	8.07	4.92	4.44	0.77	15.1	19.3	6.1
9.6	2.11	25.05	7.92	4.92	4.54	0.77	15.4	19.3	6.2
9.8	1.94	25.15	7.77	4.94	4.66	0.78	15.9	19.5	6.3
10.0	1.77	25.22	7.66	4.96	4.78	0.78	14.2	19.0	6.3
11.0	1.16	25.36	7.51	5.25	5.36	0.81	13.0	19.8	6.6
12.0	0.94	25.07	8.20	5.90	5.81	0.84	12.8	20.1	7.0
13.0	0.63	24.38	9.64	6.16	5.96	0.83	-	-	-
14.0	-0.16	24.16	11.48	5.39	6.22	0.76	-	-	-
15.0	-1.26	24.10	13.75	4.51	6.56	0.67	-	-	-

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

- Input Return Loss = -S11 (dB)
- Gain(Power Gain) = S21 (dB)
- Reverse Isolation = -S12 (dB)
- Output Return Loss = -S22 (dB)

TEST CONDITIONS: $V_{DD} = +5V$, $V_C = +0.8V$, $I_{DD} = 7mA$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
0.2	6.5	18.7	8.0	5.3	1.5	0.7	10.9	18.7	22.2
0.4	6.5	18.6	8.2	5.4	1.6	0.7	11.0	19.3	8.8
0.6	6.5	18.7	8.3	5.4	1.6	0.7	11.0	19.7	5.9
0.8	6.4	18.7	8.4	5.5	1.6	0.7	11.1	19.1	5.6
1.0	6.4	18.8	8.5	5.5	1.6	0.7	11.1	19.0	5.6
1.2	6.3	18.8	8.6	5.6	1.7	0.7	11.2	19.5	5.6
1.4	6.2	18.9	8.8	5.7	1.7	0.7	11.3	19.4	5.7
1.6	6.2	19.0	9.0	5.8	1.7	0.7	11.3	19.7	5.6
1.8	6.1	19.0	9.2	6.0	1.8	0.7	11.7	19.8	5.6
2.0	6.0	19.1	9.5	6.1	1.8	0.7	11.7	19.4	5.6
2.2	6.0	19.2	9.9	6.3	1.9	0.7	11.7	19.3	5.6
2.4	5.9	19.2	10.3	6.4	1.9	0.7	11.7	19.5	5.6
2.6	5.8	19.2	10.7	6.6	2.0	0.8	11.7	19.5	5.7
2.8	5.7	19.3	11.2	6.7	2.0	0.8	11.7	19.4	5.9
3.0	5.6	19.4	11.4	6.8	2.1	0.8	11.6	19.5	5.8
3.2	5.6	19.4	11.7	6.9	2.1	0.8	11.5	19.5	5.7
3.4	5.5	19.5	12.1	7.0	2.2	0.8	11.4	19.7	5.6
3.6	5.4	19.6	12.4	7.0	2.2	0.8	11.4	19.4	5.7
3.8	5.3	19.7	12.6	7.0	2.3	0.8	11.2	19.3	5.7
4.0	5.1	19.8	12.8	6.9	2.3	0.8	10.9	19.5	5.7
4.2	4.9	20.0	12.9	6.8	2.4	0.8	11.0	19.2	5.8
4.4	4.7	20.2	12.8	6.6	2.5	0.8	10.7	19.6	5.8
4.6	4.4	20.4	12.7	6.4	2.6	0.8	10.7	19.6	5.8
4.8	4.1	20.7	12.5	6.2	2.7	0.8	10.5	19.7	5.9
5.0	3.8	21.0	12.2	6.0	2.9	0.7	10.4	19.6	5.9
5.2	3.4	21.3	11.8	5.8	3.0	0.7	10.2	18.9	6.1
5.4	3.1	21.6	11.4	5.6	3.2	0.7	9.9	18.9	6.0
5.6	2.7	22.0	11.0	5.3	3.4	0.7	9.9	19.0	6.1
5.8	2.4	22.3	10.6	5.2	3.5	0.7	9.7	18.9	6.1
6.0	2.0	22.6	10.3	5.0	3.7	0.7	9.4	19.1	6.2
6.2	1.7	22.9	10.0	4.8	3.9	0.7	9.4	18.6	6.2
6.4	1.3	23.2	9.7	4.6	4.1	0.7	9.2	18.6	6.3
6.6	1.0	23.5	9.4	4.5	4.3	0.7	9.1	18.9	6.4
6.8	0.7	23.8	9.3	4.4	4.5	0.7	9.0	19.0	6.5
7.0	0.4	24.1	9.1	4.3	4.7	0.7	8.7	19.0	6.6
7.2	0.2	24.3	9.0	4.2	4.9	0.7	8.7	18.8	6.7
7.4	-0.1	24.5	8.9	4.2	5.1	0.7	8.5	18.6	6.7
7.6	-0.3	24.7	8.8	4.1	5.3	0.7	8.5	18.9	6.9
7.8	-0.5	24.9	8.7	4.1	5.5	0.7	8.5	19.3	6.9
8.0	-0.7	25.0	8.6	4.1	5.7	0.7	8.1	19.1	7.1
8.2	-0.9	25.2	8.6	4.1	6.0	0.7	8.2	19.2	7.1
8.4	-1.0	25.3	8.5	4.2	6.2	0.7	8.1	19.0	7.1
8.6	-1.2	25.4	8.4	4.2	6.4	0.7	8.1	19.1	7.4
8.8	-1.4	25.6	8.3	4.3	6.7	0.7	7.9	19.3	7.4
9.0	-1.6	25.7	8.2	4.3	7.0	0.7	8.0	19.3	7.5
9.2	-1.8	25.8	8.1	4.4	7.3	0.7	7.9	19.4	7.6
9.4	-2.0	25.9	8.0	4.5	7.6	0.7	7.8	19.3	7.7
9.6	-2.2	26.0	7.8	4.5	7.8	0.7	7.9	19.3	7.8
9.8	-2.4	26.1	7.7	4.6	8.1	0.8	8.1	19.7	8.0
10.0	-2.6	26.2	7.7	4.7	8.5	0.8	7.8	19.1	8.0
11.0	-3.3	26.2	7.7	5.1	9.7	0.8	7.6	19.9	8.5
12.0	-3.6	25.8	8.6	5.5	10.3	0.8	7.8	19.8	9.4
13.0	-4.0	24.9	10.2	5.7	10.4	0.8	-	-	-
14.0	-4.8	24.5	12.4	5.2	11.0	0.7	-	-	-
15.0	-6.0	24.3	14.7	4.5	11.5	0.7	-	-	-