

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: V_{DD} = +4.75 V, I_{DD} = 122mA @ 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)
10.0	8.9	64.0	6.1	4.7	160.7	0.8	15.8	5.7	7.0
10.5	10.7	65.7	7.4	5.0	177.0	0.8	15.3	5.8	6.2
11.0	12.4	59.1	8.9	5.4	76.6	0.8	16.3	6.3	5.5
11.5	13.9	59.8	11.0	5.8	75.9	0.8	17.1	7.0	4.8
12.0	15.3	59.0	13.8	6.3	64.2	0.8	18.1	7.6	4.2
12.5	16.4	58.1	17.1	6.9	54.4	0.8	18.6	8.1	3.8
13.0	17.3	56.2	19.8	7.6	41.2	0.8	18.6	8.8	3.3
13.5	18.0	55.6	20.3	8.4	37.1	0.9	18.9	9.5	3.1
14.0	18.5	54.3	19.4	9.3	30.7	0.9	19.7	10.0	2.9
14.5	18.9	54.0	18.9	10.2	29.3	0.9	20.8	10.6	2.7
15.0	19.1	54.4	19.2	11.1	30.7	0.9	20.6	11.3	2.6
15.5	19.2	53.1	19.7	11.9	26.8	0.9	21.0	11.7	2.6
16.0	19.1	54.0	20.8	12.5	30.0	1.0	21.5	12.1	2.5
16.5	19.2	53.7	21.6	12.9	29.1	1.0	22.4	12.4	2.4
17.0	19.2	53.2	21.8	13.1	27.8	1.0	22.7	12.5	2.4
17.5	19.1	55.2	20.8	13.3	35.8	1.0	22.8	12.6	2.3
18.0	19.0	55.1	19.0	13.4	36.0	1.0	22.4	12.6	2.3
18.5	18.7	53.3	16.9	13.3	29.8	1.0	23.5	12.7	2.3
19.0	18.5	53.1	14.7	13.0	29.6	1.0	23.1	12.8	2.4
19.5	18.3	55.2	12.8	12.4	37.9	1.0	23.4	12.7	2.4
20.0	17.9	52.5	11.1	11.8	27.9	1.0	23.1	12.7	2.5
20.5	17.4	55.3	9.9	10.9	39.0	1.0	22.1	12.8	2.7
21.0	17.0	55.9	9.0	10.2	41.9	1.0	23.2	13.0	2.8
21.5	16.6	56.1	8.4	9.7	43.3	1.0	24.3	13.0	2.8
22.0	16.3	54.8	8.1	9.4	37.6	1.0	23.8	13.2	2.8
22.5	16.1	56.7	7.9	9.2	47.5	1.0	24.2	13.4	2.8
23.0	16.0	55.9	8.0	9.2	44.4	1.0	23.9	13.9	2.8
23.5	15.9	58.6	8.2	9.3	62.0	1.0	24.1	13.9	2.8
24.0	16.0	56.9	8.5	9.4	52.1	1.0	24.7	14.4	2.8
24.5	16.0	55.3	8.9	9.5	43.8	1.0	24.2	14.6	2.7
25.0	16.0	57.6	9.4	9.7	58.4	1.0	23.8	14.8	2.8
25.5	16.1	59.5	9.8	9.8	73.8	1.0	24.2	15.1	2.7
26.0	16.1	60.8	10.1	10.0	86.0	1.0	24.7	15.5	2.8
26.5	16.2	59.9	10.6	10.1	77.4	1.0	24.6	15.7	2.9
27.0	16.3	57.3	10.9	10.2	57.7	1.0	24.6	16.1	2.9
27.5	16.3	61.4	11.3	10.0	93.0	1.0	25.1	16.2	2.9
28.0	16.3	57.5	11.6	9.8	59.2	1.0	25.4	16.3	2.9
28.5	16.3	60.7	12.2	9.7	86.8	0.9	25.2	16.3	2.9
29.0	16.3	64.8	12.6	9.9	141.5	0.9	24.3	16.3	3.0
29.5	16.3	73.1	13.1	10.3	374.7	1.0	25.5	16.5	3.0
30.0	16.4	74.1	13.6	11.0	423.0	1.0	25.2	16.3	3.0
30.5	16.4	67.4	13.7	11.6	199.1	1.0	25.8	16.3	3.0
31.0	16.4	64.6	13.5	12.1	146.2	1.0	24.8	16.4	3.1
31.5	16.4	62.6	12.8	12.0	115.4	1.0	25.5	16.8	3.3
32.0	16.3	63.6	11.7	11.6	129.6	1.0	24.6	16.5	3.4
32.5	16.2	63.7	10.5	11.3	130.1	1.0	24.3	15.5	3.6
33.0	16.2	61.9	9.3	11.1	104.3	1.0	25.5	15.6	3.7
33.5	16.1	65.8	8.4	11.1	161.2	1.1	24.1	15.4	3.9
34.0	16.0	57.0	7.7	11.3	58.4	1.1	24.2	14.9	4.0
34.5	15.8	60.1	7.1	11.5	82.9	1.1	25.3	15.2	4.1
35.0	15.7	57.2	6.8	11.5	59.8	1.1	24.2	14.9	4.2
35.5	15.5	58.4	6.7	11.5	68.9	1.1	25.4	15.0	4.3
36.0	15.3	57.4	6.8	11.1	62.2	1.1	24.5	14.7	4.3
36.5	15.2	57.6	7.0	10.9	65.0	1.1	24.2	14.4	4.3
37.0	15.1	54.0	7.4	10.8	44.5	1.1	24.6	14.6	4.2
37.5	15.1	53.3	7.9	11.1	42.4	1.1	25.2	14.2	4.1
38.0	15.2	55.6	8.5	11.5	57.9	1.1	23.8	14.1	4.0
38.5	15.2	53.1	9.3	12.2	45.3	1.1	24.0	14.0	3.9
39.0	15.2	51.5	10.2	13.0	39.3	1.0	24.3	14.0	3.8
39.5	15.2	55.2	11.3	13.3	62.6	1.0	25.0	14.2	3.7
40.0	15.0	50.3	12.3	13.2	37.2	1.0	24.5	13.6	3.6
40.5	14.7	49.5	13.5	13.0	35.5	1.0	24.8	13.3	3.5
41.0	14.4	52.4	14.8	13.0	52.5	1.0	24.1	13.2	3.6
41.5	14.0	51.1	15.7	13.4	48.3	1.0	24.1	12.6	3.6
42.0	13.6	48.7	16.3	14.2	38.9	1.0	24.4	12.2	3.7
42.5	13.1	50.8	16.3	15.5	52.6	1.0	23.5	12.2	3.9
43.0	12.8	49.2	15.8	16.6	45.2	1.0	24.4	11.9	4.0
43.5	12.5	50.5	15.0	17.3	54.1	1.0	26.1	11.9	4.2
44.0	12.1	47.3	14.0	17.0	38.7	1.0	24.3	11.6	4.4
44.5	11.6	48.0	13.1	16.7	43.7	1.0	24.9	10.9	4.6
45.0	11.1	47.1	12.3	16.5	41.4	1.0	25.4	11.0	4.9

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} = +5 V, I_{DD} = 130mA @ 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)
10.0	8.9	71.0	6.2	4.7	357.2	0.8	16.2	6.1	7.0
10.5	10.7	63.7	7.4	5.0	140.4	0.8	15.8	6.1	6.2
11.0	12.4	61.3	9.0	5.4	97.3	0.8	16.7	6.8	5.4
11.5	14.0	59.5	11.1	5.8	73.4	0.8	17.6	7.4	4.8
12.0	15.3	59.5	13.8	6.3	67.7	0.8	18.5	8.0	4.2
12.5	16.5	58.1	17.1	6.9	53.7	0.8	19.2	8.6	3.7
13.0	17.4	57.0	19.9	7.6	44.7	0.8	19.1	9.3	3.4
13.5	18.0	55.8	20.3	8.3	37.9	0.9	19.2	9.9	3.1
14.0	18.6	55.2	19.4	9.2	33.9	0.9	20.1	10.6	2.9
14.5	18.9	54.8	18.8	10.2	32.1	0.9	21.1	10.9	2.8
15.0	19.1	54.6	19.1	11.1	31.4	0.9	21.1	11.6	2.6
15.5	19.2	54.6	19.8	11.9	31.4	0.9	21.4	12.1	2.6
16.0	19.2	53.1	20.8	12.5	27.1	1.0	22.0	12.3	2.5
16.5	19.2	53.9	21.6	12.9	29.7	1.0	22.8	12.8	2.5
17.0	19.2	52.9	21.7	13.2	26.7	1.0	22.8	12.9	2.4
17.5	19.1	52.9	20.8	13.4	27.2	1.0	22.7	13.1	2.3
18.0	19.0	55.5	19.1	13.4	37.2	1.0	23.0	13.1	2.3
18.5	18.8	54.3	16.9	13.3	33.2	1.0	24.3	13.2	2.4
19.0	18.6	55.1	14.7	13.0	36.8	1.0	23.7	13.2	2.4
19.5	18.3	53.6	12.8	12.4	31.3	1.0	24.1	13.2	2.5
20.0	17.9	52.8	11.1	11.8	28.8	1.0	23.3	13.2	2.6
20.5	17.5	53.7	9.9	10.9	32.0	1.0	22.6	13.4	2.7
21.0	17.0	55.4	9.0	10.3	39.4	1.0	23.3	13.4	2.8
21.5	16.7	55.9	8.5	9.7	42.1	1.0	23.8	13.5	2.8
22.0	16.4	56.2	8.1	9.4	44.1	1.0	23.7	13.8	2.8
22.5	16.1	57.4	7.9	9.2	51.2	1.0	24.6	14.0	2.9
23.0	16.0	56.4	8.0	9.2	46.5	1.0	24.1	14.4	2.8
23.5	16.0	59.4	8.2	9.3	67.7	1.0	24.2	14.4	2.8
24.0	16.0	57.5	8.5	9.4	55.0	1.0	24.2	14.9	2.7
24.5	16.1	56.9	8.9	9.5	52.5	1.0	24.0	15.0	2.8
25.0	16.1	57.4	9.4	9.7	57.0	1.0	24.4	15.3	2.8
25.5	16.1	59.1	9.8	9.7	70.0	1.0	25.2	15.6	2.8
26.0	16.2	58.5	10.1	9.9	64.9	1.0	24.9	16.0	2.8
26.5	16.3	60.5	10.6	10.1	81.9	1.0	24.6	16.2	2.8
27.0	16.4	61.7	10.9	10.2	94.4	1.0	24.1	16.6	2.9
27.5	16.4	55.4	11.3	10.0	46.0	1.0	26.2	16.7	3.0
28.0	16.4	59.9	11.6	9.8	77.0	1.0	25.4	16.7	3.0
28.5	16.4	66.2	12.2	9.7	160.7	0.9	25.2	16.8	3.0
29.0	16.4	65.1	12.6	9.8	143.6	0.9	25.2	16.8	3.0
29.5	16.5	61.2	13.2	10.3	93.6	0.9	25.2	17.0	3.0
30.0	16.5	57.6	13.7	11.0	62.7	1.0	25.4	16.8	3.0
30.5	16.5	64.9	13.8	11.6	146.8	1.0	24.7	16.8	3.1
31.0	16.6	67.1	13.5	12.1	191.5	1.0	24.9	16.9	3.1
31.5	16.6	75.3	12.9	12.1	488.8	1.0	24.8	17.2	3.3
32.0	16.5	67.3	11.7	11.6	194.8	1.0	24.9	17.0	3.4
32.5	16.4	61.0	10.5	11.3	92.6	1.0	24.7	16.0	3.6
33.0	16.4	62.1	9.3	11.2	103.9	1.0	26.7	16.0	3.7
33.5	16.3	61.1	8.5	11.2	92.3	1.1	25.5	15.9	3.9
34.0	16.2	56.3	7.7	11.4	52.4	1.1	24.6	15.5	4.0
34.5	16.1	55.1	7.2	11.5	45.9	1.1	23.9	15.6	4.1
35.0	15.9	57.5	6.8	11.6	60.2	1.1	24.8	15.3	4.2
35.5	15.7	57.0	6.7	11.5	57.7	1.1	26.6	15.4	4.3
36.0	15.6	57.7	6.8	11.1	63.1	1.1	24.3	15.3	4.3
36.5	15.4	56.2	7.0	10.9	54.3	1.1	24.5	14.8	4.4
37.0	15.4	56.0	7.4	10.8	54.4	1.1	24.1	14.8	4.0
37.5	15.3	56.5	7.9	11.1	60.2	1.1	24.0	14.5	4.9
38.0	15.4	54.8	8.5	11.5	51.5	1.1	23.8	14.5	4.2
38.5	15.4	55.1	9.3	12.2	55.9	1.1	24.3	14.4	4.0
39.0	15.4	52.8	10.2	12.9	44.8	1.0	24.6	14.5	3.9
39.5	15.4	54.1	11.3	13.2	53.8	1.0	25.2	14.6	3.8
40.0	15.2	50.6	12.3	13.2	37.4	1.0	24.7	14.0	3.5
40.5	14.9	50.7	13.5	12.9	39.9	1.0	23.8	13.9	3.6
41.0	14.6	50.3	14.8	13.0	40.6	1.0	24.0	13.6	3.6
41.5	14.2	51.2	15.7	13.4	47.5	1.0	26.1	13.1	3.8
42.0	13.8	50.5	16.4	14.2	46.9	1.0	23.9	12.8	3.9
42.5	13.3	48.8	16.3	15.4	40.7	1.0	22.9	12.6	4.0
43.0	13.0	48.7	15.8	16.5	41.6	1.0	23.9	12.5	4.1
43.5	12.7	49.0	15.1	17.2	44.4	1.0	25.2	12.5	4.3
44.0	12.3	49.7	14.1	17.0	50.1	1.0	24.7	12.0	4.5
44.5	11.8	47.4	13.1	16.6	39.7	1.0	23.9	11.2	4.8
45.0	11.3	48.6	12.2	16.5	47.9	1.0	23.5	11.2	5.2

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: V_{DD} = +5.25 V, I_{DD} = 137mA @ 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)			(dBm)	(dBm)	(dB)
10.0	8.9	62.3	6.3	4.7	132.3	0.8	16.6	6.2	7.0
10.5	10.7	62.9	7.5	5.0	129.6	0.8	16.2	6.6	6.2
11.0	12.4	60.9	9.2	5.4	94.4	0.8	17.2	7.2	5.5
11.5	13.9	60.1	11.2	5.8	79.2	0.8	18.0	7.8	4.8
12.0	15.3	58.1	13.9	6.3	58.1	0.8	18.9	8.4	4.2
12.5	16.4	58.4	17.2	6.9	55.9	0.8	19.6	9.1	3.8
13.0	17.3	56.0	20.0	7.5	39.9	0.8	19.3	9.7	3.4
13.5	18.0	55.7	20.5	8.3	37.3	0.9	19.6	10.3	3.1
14.0	18.5	56.0	19.5	9.2	37.4	0.9	20.3	10.8	2.9
14.5	18.9	53.3	18.8	10.1	27.0	0.9	21.8	11.3	2.7
15.0	19.1	53.9	19.1	11.1	29.0	0.9	21.3	11.9	2.7
15.5	19.2	53.9	19.9	11.9	29.2	0.9	21.9	12.3	2.6
16.0	19.2	53.5	21.0	12.5	28.2	1.0	22.3	12.7	2.5
16.5	19.2	54.2	21.7	12.9	30.8	1.0	23.1	13.0	2.4
17.0	19.2	54.0	21.7	13.2	30.2	1.0	23.0	13.3	2.4
17.5	19.1	53.5	20.8	13.4	29.1	1.0	23.0	13.5	2.4
18.0	19.0	53.8	19.2	13.4	30.8	1.0	23.0	13.5	2.4
18.5	18.8	53.9	17.0	13.3	31.7	1.0	24.0	13.6	2.4
19.0	18.6	54.7	14.7	13.0	35.3	1.0	23.9	13.6	2.4
19.5	18.3	53.7	12.8	12.4	31.7	1.0	23.8	13.6	2.5
20.0	17.9	54.2	11.2	11.8	33.9	1.0	23.8	13.7	2.6
20.5	17.5	55.8	10.0	10.9	40.7	1.0	22.6	13.8	2.7
21.0	17.0	54.5	9.1	10.3	35.5	1.0	23.7	13.8	2.8
21.5	16.7	56.1	8.5	9.7	42.9	1.0	23.9	13.9	2.8
22.0	16.4	56.4	8.1	9.4	45.0	1.0	23.8	14.2	2.9
22.5	16.2	56.5	8.0	9.2	46.2	1.0	24.8	14.4	2.9
23.0	16.1	57.1	8.1	9.2	50.7	1.0	24.3	14.8	2.8
23.5	16.0	59.4	8.2	9.3	67.5	1.0	24.3	14.9	2.8
24.0	16.1	56.6	8.5	9.4	49.7	1.0	25.2	15.3	2.8
24.5	16.1	57.5	8.9	9.5	55.7	1.0	25.3	15.5	2.8
25.0	16.2	59.1	9.5	9.6	68.8	1.0	24.1	15.7	2.8
25.5	16.2	62.0	9.9	9.7	96.3	1.0	25.4	16.1	2.8
26.0	16.3	60.1	10.1	9.9	77.5	1.0	25.0	16.5	2.8
26.5	16.4	58.9	10.5	10.1	67.5	1.0	24.1	16.6	2.9
27.0	16.5	63.1	10.9	10.1	110.3	1.0	24.8	17.1	2.9
27.5	16.5	58.0	11.3	10.0	61.5	1.0	25.2	17.2	3.0
28.0	16.5	59.6	11.6	9.8	73.3	1.0	24.3	17.2	3.0
28.5	16.5	64.6	12.2	9.7	132.4	0.9	25.7	17.3	3.0
29.0	16.6	61.7	12.6	9.8	95.3	0.9	25.5	17.2	3.0
29.5	16.6	61.0	13.3	10.2	89.9	0.9	24.2	17.4	3.0
30.0	16.7	81.7	13.7	10.9	988.4	1.0	23.6	17.2	3.1
30.5	16.7	61.9	13.8	11.6	102.1	1.0	25.4	17.1	3.1
31.0	16.8	65.2	13.6	12.1	149.6	1.0	25.3	17.4	3.1
31.5	16.7	59.3	13.0	12.0	76.6	1.0	25.3	17.6	3.3
32.0	16.7	70.2	11.8	11.7	265.9	1.0	25.5	17.4	3.5
32.5	16.6	68.3	10.5	11.4	212.4	1.0	25.1	16.4	3.6
33.0	16.6	68.4	9.3	11.2	211.5	1.0	24.9	16.5	3.8
33.5	16.5	60.2	8.5	11.2	81.5	1.1	24.3	16.3	3.9
34.0	16.4	62.1	7.7	11.4	100.6	1.1	25.1	15.8	4.1
34.5	16.3	60.6	7.1	11.5	84.3	1.1	24.8	16.0	4.1
35.0	16.1	62.1	6.8	11.6	99.0	1.1	24.4	15.8	4.3
35.5	15.9	60.7	6.7	11.5	86.2	1.1	24.7	15.9	4.3
36.0	15.8	57.0	6.8	11.2	56.7	1.1	24.8	15.5	4.4
36.5	15.6	55.4	7.0	11.0	48.0	1.1	24.9	15.3	4.3
37.0	15.6	58.7	7.4	10.8	73.0	1.1	25.1	15.3	4.7
37.5	15.6	54.1	7.8	11.0	44.3	1.1	24.9	15.0	3.9
38.0	15.6	54.1	8.5	11.4	46.2	1.1	23.6	15.0	4.6
38.5	15.6	54.6	9.3	12.1	51.6	1.0	25.4	14.8	3.9
39.0	15.6	53.9	10.1	12.9	49.6	1.0	24.3	15.0	3.8
39.5	15.6	54.3	11.2	13.1	53.6	1.0	24.7	14.9	3.8
40.0	15.4	52.8	12.3	13.2	47.3	1.0	23.3	14.5	3.6
40.5	15.1	53.0	13.5	12.9	50.9	1.0	24.1	14.4	3.6
41.0	14.8	48.6	14.7	12.9	32.6	1.0	24.1	14.1	3.6
41.5	14.4	48.5	15.6	13.3	34.2	1.0	26.2	13.7	3.8
42.0	14.0	53.6	16.4	14.1	65.5	1.0	24.0	13.1	3.9
42.5	13.5	50.4	16.3	15.3	47.8	1.0	23.8	13.1	4.0
43.0	13.2	48.5	15.8	16.4	39.8	1.0	24.3	12.9	4.2
43.5	12.9	49.7	15.1	17.1	47.3	1.0	24.5	12.9	4.4
44.0	12.5	48.2	14.1	16.9	41.1	1.0	23.9	12.5	4.6
44.5	12.0	47.2	13.2	16.7	38.1	1.0	25.5	11.4	4.8
45.0	11.5	47.6	12.3	16.5	41.9	1.0	24.2	11.5	4.8

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: V_{DD} = +4.75 V, I_{DD} = 121mA @ 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)
10.0	9.6	68.5	5.8	4.5	230.4	0.8	16.5	5.8	5.9
10.5	11.4	63.0	7.0	4.8	112.5	0.8	16.0	5.9	5.2
11.0	13.1	61.6	8.4	5.2	88.3	0.8	16.9	6.5	4.6
11.5	14.6	59.7	10.4	5.5	65.3	0.8	17.9	7.2	4.0
12.0	16.0	60.9	13.0	5.9	69.1	0.8	18.8	7.8	3.4
12.5	17.2	61.3	16.1	6.4	67.6	0.8	19.4	8.4	3.0
13.0	18.1	56.4	18.8	7.0	36.3	0.8	19.3	9.1	2.6
13.5	18.8	54.9	19.4	7.9	29.5	0.8	19.8	9.6	2.3
14.0	19.4	54.9	18.7	8.8	28.6	0.9	20.5	10.4	2.1
14.5	19.8	54.5	18.2	9.9	26.8	0.9	21.7	11.0	2.0
15.0	20.1	54.2	18.8	11.0	26.0	0.9	21.4	11.8	1.9
15.5	20.2	54.2	19.8	11.8	26.0	0.9	21.8	12.2	1.9
16.0	20.2	53.3	20.9	12.2	24.0	0.9	22.3	12.5	1.7
16.5	20.2	53.8	21.2	12.4	25.5	0.9	23.5	12.9	1.7
17.0	20.2	53.6	21.4	12.7	25.0	1.0	23.8	13.0	1.7
17.5	20.1	52.2	20.5	13.1	21.7	1.0	23.0	13.2	1.7
18.0	20.0	53.3	19.2	13.4	25.0	1.0	23.2	13.3	1.7
18.5	19.8	54.2	17.8	13.6	28.6	1.0	24.1	13.3	1.6
19.0	19.6	54.3	15.8	13.5	29.0	1.0	24.0	13.3	1.7
19.5	19.4	53.2	13.7	12.7	25.9	1.0	24.9	13.3	1.8
20.0	19.0	54.1	11.6	11.9	28.6	1.0	24.0	13.3	1.9
20.5	18.6	54.5	10.0	10.9	30.3	1.0	22.5	13.4	1.9
21.0	18.0	54.2	8.8	9.9	29.2	1.0	24.0	13.4	2.1
21.5	17.6	55.9	8.0	9.2	35.3	1.0	24.7	13.5	2.2
22.0	17.3	54.8	7.5	8.9	31.3	1.0	24.7	13.7	2.2
22.5	17.1	55.8	7.4	8.9	36.2	1.0	24.9	13.8	2.1
23.0	17.0	53.9	7.6	9.0	29.9	1.0	24.9	14.2	2.0
23.5	16.9	58.8	7.9	9.1	54.0	1.0	24.8	14.3	2.0
24.0	16.9	58.2	8.2	9.2	51.2	1.0	25.4	14.8	2.0
24.5	16.9	56.5	8.5	9.1	42.9	1.0	25.0	14.8	2.0
25.0	16.8	57.6	8.7	9.1	49.4	1.0	24.9	15.1	2.0
25.5	16.8	61.7	8.8	9.2	79.2	1.0	25.4	15.3	2.1
26.0	16.9	62.5	9.2	9.3	87.9	1.0	26.3	15.8	2.1
26.5	17.1	60.1	9.7	9.6	67.6	1.0	25.7	16.0	2.2
27.0	17.2	57.9	10.2	9.8	52.9	1.0	26.5	16.4	2.2
27.5	17.2	55.3	11.2	9.8	39.5	1.0	26.6	16.5	2.2
28.0	17.2	63.6	11.6	9.3	102.0	0.9	25.2	16.5	2.1
28.5	17.1	62.3	12.0	9.1	88.4	0.9	25.0	16.5	2.2
29.0	17.1	60.7	12.0	9.1	74.3	0.9	26.2	16.5	2.3
29.5	17.1	59.3	12.1	9.5	64.2	0.9	27.1	16.6	2.3
30.0	17.1	62.8	12.2	10.2	98.2	1.0	24.9	16.4	2.4
30.5	17.2	64.3	12.8	11.2	119.8	1.0	26.3	16.5	2.5
31.0	17.3	63.0	13.2	11.9	104.6	1.0	26.8	16.7	2.4
31.5	17.3	65.5	13.2	11.9	139.9	1.0	25.6	17.0	2.5
32.0	17.2	69.4	12.2	11.4	216.8	1.0	26.5	16.7	2.6
32.5	17.1	84.1	10.5	10.9	1152.7	1.0	25.5	15.8	2.8
33.0	16.9	63.1	8.9	10.7	100.6	1.0	27.7	15.8	2.9
33.5	16.8	68.5	7.7	10.6	182.0	1.1	26.9	15.7	3.2
34.0	16.6	63.8	6.8	10.8	104.0	1.1	27.1	15.2	3.3
34.5	16.5	65.8	6.5	11.0	131.5	1.1	27.6	15.4	3.4
35.0	16.5	60.4	6.5	11.3	71.3	1.1	27.9	15.2	3.4
35.5	16.5	61.4	6.7	11.5	81.2	1.1	28.7	15.4	3.4
36.0	16.5	59.5	6.8	11.4	65.8	1.1	26.9	15.2	3.3
36.5	16.5	58.3	6.8	11.2	58.0	1.1	26.1	14.7	3.2
37.0	16.4	54.6	6.9	11.0	38.8	1.1	26.3	15.0	3.5
37.5	16.3	55.8	7.1	11.1	45.4	1.1	26.1	14.6	3.1
38.0	16.2	56.5	7.7	11.3	51.2	1.1	26.6	14.7	3.6
38.5	16.2	55.2	8.4	11.7	46.2	1.1	25.9	14.5	3.0
39.0	16.1	53.9	9.1	12.0	40.9	1.1	26.4	14.5	2.9
39.5	16.1	55.2	10.3	12.0	49.4	1.0	29.3	14.5	2.8
40.0	15.9	51.9	11.4	12.0	35.0	1.0	27.8	14.1	2.7
40.5	15.7	51.5	12.5	11.9	35.1	1.0	26.6	14.1	2.8
41.0	15.3	54.5	13.6	12.3	52.0	1.0	27.8	13.9	2.9
41.5	14.9	52.4	14.4	13.0	43.4	1.0	25.9	13.4	3.1
42.0	14.5	50.1	15.9	14.0	35.8	1.0	28.6	12.8	3.0
42.5	14.1	51.6	16.7	15.3	45.0	1.0	25.9	12.9	3.1
43.0	13.8	51.9	15.9	16.5	48.4	1.0	27.2	12.6	3.3
43.5	13.6	49.3	14.2	17.1	36.7	1.0	29.0	12.6	3.4
44.0	13.3	49.1	12.2	16.8	36.4	1.0	27.0	12.2	3.6
44.5	12.9	47.9	11.5	15.9	33.0	1.0	26.0	11.9	3.8
45.0	12.5	47.9	11.0	15.6	34.1	1.1	27.2	12.1	3.9

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: V_{DD} = +5 V, I_{DD} = 129mA @ 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)			(dBm)	(dBm)	(dB)
10.0	9.7	62.5	5.9	4.5	113.9	0.8	17.0	6.3	6.0
10.5	11.5	62.5	7.0	4.8	104.8	0.8	16.5	6.5	5.3
11.0	13.2	60.6	8.4	5.1	77.7	0.8	17.4	7.1	4.6
11.5	14.7	58.2	10.4	5.5	54.3	0.8	18.4	7.8	4.0
12.0	16.1	59.0	13.0	5.9	54.8	0.8	19.3	8.4	3.5
12.5	17.2	59.0	16.1	6.4	51.5	0.8	19.8	9.0	3.0
13.0	18.2	56.5	18.8	7.0	36.3	0.8	19.7	9.6	2.6
13.5	18.8	57.4	19.4	7.8	39.1	0.8	20.2	10.3	2.3
14.0	19.5	54.7	18.6	8.8	27.8	0.9	20.7	10.9	2.2
14.5	19.9	54.5	18.2	9.9	26.8	0.9	22.0	11.4	2.1
15.0	20.2	54.7	18.8	11.0	27.3	0.9	22.1	12.2	2.0
15.5	20.3	53.8	19.8	11.8	24.8	0.9	22.4	12.7	1.9
16.0	20.3	53.5	20.9	12.2	24.4	0.9	22.8	12.9	1.8
16.5	20.3	53.7	21.1	12.3	24.7	0.9	24.2	13.4	1.8
17.0	20.3	52.9	21.3	12.6	22.8	1.0	24.2	13.6	1.7
17.5	20.2	54.2	20.3	13.1	26.9	1.0	24.1	13.7	1.7
18.0	20.1	54.5	19.0	13.4	28.4	1.0	24.1	13.9	1.7
18.5	19.9	53.5	17.8	13.8	26.1	1.0	25.1	13.9	1.7
19.0	19.7	55.1	15.7	13.6	31.7	1.0	24.4	13.9	1.7
19.5	19.5	54.3	13.7	12.8	28.9	1.0	24.7	13.9	1.8
20.0	19.1	53.6	11.6	11.9	27.0	1.0	23.9	13.9	1.8
20.5	18.7	55.8	9.9	10.8	34.7	1.0	23.4	14.0	2.0
21.0	18.1	54.8	8.8	9.8	30.7	1.0	23.9	14.0	2.0
21.5	17.7	55.2	7.9	9.1	32.1	1.0	25.0	14.0	2.2
22.0	17.3	56.3	7.5	8.8	36.9	1.0	24.9	14.3	2.2
22.5	17.1	54.6	7.4	8.9	31.2	1.0	25.7	14.4	2.1
23.0	17.1	55.2	7.6	9.0	34.1	1.0	25.3	14.8	2.1
23.5	17.0	57.8	7.9	9.1	47.4	1.0	24.9	14.8	2.0
24.0	17.0	58.3	8.2	9.2	51.4	1.0	25.8	15.3	2.0
24.5	17.0	56.7	8.5	9.1	43.3	1.0	26.1	15.5	2.0
25.0	16.9	56.8	8.7	9.0	44.1	1.0	24.9	15.7	2.1
25.5	16.9	61.4	8.8	9.1	75.5	1.0	26.0	15.9	2.1
26.0	17.0	60.6	9.2	9.2	69.7	1.0	26.0	16.3	2.2
26.5	17.2	59.3	9.6	9.6	60.6	1.0	25.8	16.5	2.2
27.0	17.3	62.2	10.2	9.8	84.6	1.0	26.6	16.9	2.2
27.5	17.4	58.4	11.2	9.8	55.7	1.0	25.5	17.0	2.2
28.0	17.3	57.8	11.6	9.3	51.4	0.9	26.5	17.0	2.3
28.5	17.3	64.4	12.0	9.0	110.6	0.9	25.4	17.0	2.2
29.0	17.2	65.9	11.9	9.0	132.0	0.9	25.9	17.0	2.3
29.5	17.2	65.8	12.0	9.5	132.9	0.9	26.2	17.1	2.4
30.0	17.3	62.3	12.1	10.2	90.8	1.0	26.0	16.9	2.4
30.5	17.3	61.6	12.8	11.3	85.8	1.0	26.8	17.0	2.4
31.0	17.4	71.6	13.2	11.9	276.7	1.0	25.7	17.2	2.4
31.5	17.4	67.3	13.4	11.9	169.1	1.0	27.1	17.5	2.5
32.0	17.4	65.6	12.3	11.4	137.5	1.0	25.7	17.1	2.7
32.5	17.3	65.1	10.5	10.9	126.3	1.0	26.2	16.3	2.8
33.0	17.1	68.3	8.8	10.7	178.4	1.0	26.5	16.2	3.0
33.5	16.9	67.5	7.6	10.5	158.2	1.1	26.8	16.3	3.3
34.0	16.7	65.9	6.7	10.7	128.9	1.1	27.2	15.7	3.4
34.5	16.7	64.1	6.5	10.9	104.8	1.1	26.3	15.9	3.5
35.0	16.7	62.8	6.5	11.3	91.3	1.1	26.6	15.7	3.5
35.5	16.7	62.5	6.7	11.5	90.5	1.1	27.3	15.9	3.4
36.0	16.7	56.3	6.8	11.4	44.8	1.1	26.0	15.6	3.4
36.5	16.7	56.8	6.8	11.3	47.9	1.1	26.4	15.1	3.5
37.0	16.6	56.7	6.9	11.1	48.2	1.1	28.3	15.4	3.6
37.5	16.5	58.7	7.1	11.2	62.3	1.1	26.4	15.1	2.7
38.0	16.4	56.5	7.6	11.3	50.1	1.1	27.7	15.0	3.3
38.5	16.3	54.3	8.4	11.6	40.5	1.1	27.1	15.0	3.0
39.0	16.3	52.1	9.0	11.7	32.6	1.0	27.4	14.9	2.8
39.5	16.2	53.9	10.3	11.7	41.5	1.0	25.6	15.0	3.0
40.0	16.1	57.2	11.3	11.8	63.2	1.0	27.6	14.6	3.0
40.5	15.8	53.7	12.5	11.8	44.3	1.0	28.9	14.5	2.9
41.0	15.5	52.2	13.5	12.4	39.3	1.0	26.7	14.3	2.9
41.5	15.1	51.4	14.4	13.2	38.1	1.0	30.0	13.8	3.1
42.0	14.7	53.1	15.9	14.1	49.1	1.0	27.5	13.3	3.1
42.5	14.2	50.9	16.8	15.3	41.0	1.0	26.0	13.3	3.2
43.0	14.0	47.8	15.8	16.4	29.7	1.0	27.1	13.1	3.3
43.5	13.7	49.5	14.1	16.9	36.6	1.0	27.1	13.0	3.5
44.0	13.4	48.3	12.1	16.6	32.5	1.0	28.7	12.9	3.7
44.5	13.1	49.5	11.4	15.7	38.5	1.0	29.7	12.6	3.9
45.0	12.7	46.9	10.9	15.3	29.8	1.0	26.3	12.6	4.3

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: V_{DD} = +5.25 V, I_{DD} = 137mA @ 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)			(dBm)	(dBm)	(dB)
10.0	9.8	66.7	5.9	4.5	182.3	0.8	17.6	6.8	6.1
10.5	11.6	67.4	7.0	4.8	181.4	0.8	17.1	7.1	5.2
11.0	13.3	60.1	8.4	5.1	72.2	0.8	18.0	7.6	4.6
11.5	14.8	60.2	10.4	5.5	67.9	0.8	18.9	8.2	4.0
12.0	16.2	57.3	13.0	5.9	44.8	0.8	19.7	8.8	3.5
12.5	17.3	57.6	16.1	6.4	43.3	0.8	20.1	9.4	3.0
13.0	18.2	56.6	18.8	7.0	36.3	0.8	20.1	10.2	2.7
13.5	18.9	56.4	19.3	7.8	34.8	0.8	20.6	10.7	2.4
14.0	19.5	55.4	18.6	8.8	29.8	0.9	21.0	11.3	2.2
14.5	20.0	54.4	18.2	9.9	26.3	0.9	22.8	11.8	2.1
15.0	20.2	53.8	18.8	11.0	24.4	0.9	22.0	12.7	2.0
15.5	20.3	53.9	19.8	11.8	24.8	0.9	22.5	13.1	1.9
16.0	20.3	54.3	20.9	12.1	26.3	0.9	23.0	13.3	1.8
16.5	20.4	54.3	21.0	12.3	26.5	0.9	23.6	13.8	1.8
17.0	20.4	53.6	21.2	12.6	24.7	1.0	24.2	14.1	1.7
17.5	20.3	53.2	20.1	13.0	23.9	1.0	23.8	14.3	1.7
18.0	20.1	53.1	18.9	13.4	24.1	1.0	23.8	14.3	1.7
18.5	19.9	54.1	17.7	13.8	27.7	1.0	24.7	14.4	1.7
19.0	19.8	54.1	15.7	13.7	28.0	1.0	24.0	14.5	1.8
19.5	19.6	54.2	13.7	12.8	28.6	1.0	24.9	14.4	1.8
20.0	19.2	54.5	11.6	11.9	29.6	1.0	24.3	14.4	1.9
20.5	18.7	56.5	9.9	10.8	37.2	1.0	23.1	14.5	2.0
21.0	18.2	55.6	8.7	9.8	33.4	1.0	24.4	14.5	2.1
21.5	17.7	55.8	7.9	9.1	34.3	1.0	25.5	14.6	2.2
22.0	17.4	55.3	7.4	8.8	32.6	1.0	24.8	14.8	2.2
22.5	17.2	56.4	7.4	8.8	38.0	1.0	25.8	15.0	2.2
23.0	17.2	56.3	7.6	9.0	38.3	1.0	25.0	15.4	2.1
23.5	17.1	58.1	7.9	9.2	49.0	1.0	25.1	15.4	2.1
24.0	17.1	58.0	8.2	9.2	48.9	1.0	25.2	15.9	2.1
24.5	17.1	57.0	8.5	9.1	44.0	1.0	25.9	15.9	2.0
25.0	17.0	57.2	8.7	9.0	45.9	1.0	25.7	16.2	2.1
25.5	17.0	61.2	8.7	9.1	72.6	1.0	26.5	16.4	2.2
26.0	17.1	61.6	9.1	9.2	76.5	1.0	26.5	16.8	2.2
26.5	17.3	59.1	9.6	9.6	58.1	1.0	25.9	17.1	2.3
27.0	17.4	58.3	10.2	9.8	53.7	1.0	25.5	17.5	2.3
27.5	17.5	64.9	11.2	9.8	115.2	1.0	27.1	17.5	2.3
28.0	17.5	62.1	11.6	9.2	83.7	0.9	25.4	17.5	2.2
28.5	17.4	63.7	12.0	9.0	100.4	0.9	25.9	17.5	2.3
29.0	17.4	66.8	11.9	9.0	145.2	0.9	25.8	17.5	2.4
29.5	17.4	60.8	11.9	9.4	73.7	0.9	25.6	17.6	2.4
30.0	17.4	58.2	12.0	10.1	55.7	1.0	27.3	17.4	2.5
30.5	17.5	62.2	12.7	11.3	90.7	1.0	26.0	17.4	2.6
31.0	17.6	61.0	13.3	12.0	79.8	1.0	27.1	17.7	2.5
31.5	17.6	60.0	13.4	12.0	71.2	1.0	27.9	18.0	2.6
32.0	17.5	58.9	12.4	11.4	62.5	1.0	27.7	17.6	2.7
32.5	17.4	76.4	10.5	10.9	456.2	1.0	25.3	16.7	2.9
33.0	17.3	74.1	8.8	10.7	340.7	1.0	24.8	16.7	3.1
33.5	17.1	62.9	7.5	10.5	91.0	1.1	26.3	16.7	3.3
34.0	16.9	59.0	6.7	10.7	57.4	1.1	26.4	16.1	3.5
34.5	16.8	60.5	6.5	10.9	67.7	1.1	25.7	16.3	3.6
35.0	16.8	62.3	6.5	11.3	84.3	1.1	26.7	16.1	3.6
35.5	16.9	60.6	6.7	11.5	71.3	1.1	27.4	16.3	3.5
36.0	16.9	61.5	6.8	11.5	79.6	1.1	26.6	16.0	3.5
36.5	16.9	56.4	6.8	11.3	44.9	1.1	25.9	15.5	3.2
37.0	16.8	58.3	6.9	11.1	56.8	1.1	26.5	15.9	3.5
37.5	16.6	58.8	7.0	11.2	61.8	1.1	28.6	15.4	3.2
38.0	16.6	58.6	7.6	11.2	62.2	1.1	25.7	15.4	3.1
38.5	16.5	54.7	8.3	11.5	41.4	1.1	27.0	15.3	3.1
39.0	16.4	54.1	9.0	11.6	39.9	1.0	26.2	15.2	2.8
39.5	16.4	56.4	10.2	11.5	54.4	1.0	27.3	15.4	2.9
40.0	16.2	56.3	11.3	11.7	55.9	1.0	26.0	15.0	3.0
40.5	16.0	50.0	12.5	11.7	28.3	1.0	26.8	15.0	2.9
41.0	15.7	53.2	13.6	12.4	43.4	1.0	27.0	14.8	3.0
41.5	15.2	52.2	14.4	13.2	41.1	1.0	27.9	14.3	3.2
42.0	14.8	51.5	16.0	14.2	40.6	1.0	27.6	13.8	3.3
42.5	14.4	52.6	16.9	15.4	48.7	1.0	25.4	13.8	3.3
43.0	14.1	52.5	15.8	16.3	50.0	1.0	27.4	13.6	3.5
43.5	13.9	50.2	14.0	16.8	39.2	1.0	24.9	13.5	3.5
44.0	13.6	49.3	12.0	16.4	35.8	1.0	25.4	13.2	3.8
44.5	13.2	48.4	11.3	15.5	33.4	1.0	26.5	12.8	3.9
45.0	12.8	49.1	10.8	15.2	37.7	1.0	27.1	13.2	4.3

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: V_{DD} = +4.75 V, I_{DD} = 121mA @ 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)			(dBm)	(dBm)	(dB)
10.0	7.7	65.0	6.3	4.9	211.4	0.8	15.2	5.1	7.9
10.5	9.6	61.3	7.6	5.1	124.6	0.8	14.8	5.4	7.0
11.0	11.3	59.3	9.2	5.5	90.5	0.8	15.8	6.0	6.2
11.5	12.9	61.6	11.4	6.0	107.9	0.8	16.8	6.7	5.6
12.0	14.3	58.9	14.3	6.5	72.9	0.8	17.7	7.3	5.0
12.5	15.4	59.1	17.8	7.2	70.2	0.8	18.3	7.8	4.5
13.0	16.2	56.8	20.6	7.9	51.1	0.8	18.3	8.5	4.1
13.5	16.9	57.1	21.0	8.8	50.8	0.9	18.6	9.1	3.8
14.0	17.4	54.7	20.2	9.8	37.7	0.9	19.3	9.6	3.6
14.5	17.7	54.6	19.6	10.7	36.4	0.9	20.7	10.0	3.5
15.0	17.9	55.1	19.9	11.5	38.6	0.9	20.6	10.6	3.3
15.5	18.0	54.0	20.3	12.1	34.3	0.9	20.9	11.0	3.2
16.0	17.9	54.1	21.0	12.5	35.1	1.0	21.5	11.2	3.1
16.5	18.0	53.6	21.3	12.7	33.1	1.0	22.3	11.6	3.1
17.0	18.0	54.1	21.2	13.0	35.4	1.0	22.4	11.8	3.0
17.5	17.9	53.6	20.0	13.2	34.3	1.0	22.5	11.9	3.0
18.0	17.7	53.3	18.4	13.4	33.9	1.0	22.3	11.9	3.0
18.5	17.5	53.2	16.6	13.4	34.1	1.0	23.5	12.1	3.0
19.0	17.3	54.4	14.6	13.2	39.9	1.0	23.3	12.2	3.1
19.5	17.0	56.5	12.7	12.6	51.0	1.0	23.1	12.1	3.1
20.0	16.6	55.5	11.0	11.9	46.2	1.0	22.2	12.1	3.3
20.5	16.2	55.4	9.8	11.0	45.7	1.0	21.8	12.2	3.4
21.0	15.7	54.6	9.0	10.3	41.9	1.0	22.7	12.4	3.5
21.5	15.4	55.9	8.5	9.8	49.1	1.0	24.0	12.5	3.5
22.0	15.2	54.9	8.3	9.5	43.9	1.0	22.8	12.8	3.5
22.5	15.1	57.3	8.2	9.5	58.9	1.0	24.0	13.0	3.5
23.0	15.0	55.8	8.4	9.6	50.7	1.0	23.3	13.4	3.4
23.5	15.0	58.1	8.7	9.9	68.5	1.0	23.8	13.5	3.4
24.0	15.0	56.3	9.1	10.1	56.3	1.0	24.6	13.9	3.4
24.5	15.0	56.0	9.4	10.1	55.9	1.0	24.4	14.1	3.4
25.0	15.0	59.0	9.8	10.3	79.6	1.0	23.6	14.4	3.4
25.5	15.1	58.1	10.1	10.3	72.1	1.0	24.3	14.7	3.5
26.0	15.1	60.4	10.4	10.4	94.0	1.0	24.4	15.0	3.5
26.5	15.2	57.1	10.8	10.4	64.5	1.0	24.1	15.2	3.5
27.0	15.3	57.6	11.1	10.4	68.2	1.0	24.6	15.7	3.6
27.5	15.3	60.3	11.6	10.1	92.9	1.0	24.5	15.7	3.7
28.0	15.3	59.2	11.9	9.7	81.5	1.0	25.1	15.8	3.7
28.5	15.4	63.6	12.4	9.6	137.3	0.9	24.7	15.9	3.7
29.0	15.4	66.3	12.8	9.9	189.6	0.9	24.0	15.9	3.7
29.5	15.4	63.6	13.3	10.6	141.5	1.0	25.5	16.1	3.7
30.0	15.5	62.7	13.8	11.6	129.5	1.0	24.1	16.0	3.7
30.5	15.6	64.4	14.1	12.7	160.5	1.0	24.6	16.0	3.8
31.0	15.6	64.5	14.0	13.6	163.9	1.0	24.6	16.1	3.9
31.5	15.6	60.4	13.5	13.5	102.6	1.0	24.2	16.4	4.0
32.0	15.6	58.8	12.2	12.7	84.6	1.0	24.0	16.1	4.2
32.5	15.5	75.6	10.8	12.0	576.1	1.0	24.1	15.4	4.3
33.0	15.4	61.6	9.5	11.4	112.8	1.0	24.2	15.3	4.4
33.5	15.3	64.1	8.5	11.1	148.1	1.1	26.2	15.3	4.7
34.0	15.2	57.7	7.7	11.0	70.1	1.1	23.7	14.8	4.8
34.5	15.0	59.9	7.2	11.0	90.1	1.1	24.2	15.0	4.9
35.0	14.8	56.9	6.9	11.0	64.0	1.1	24.6	14.7	4.9
35.5	14.6	54.2	6.9	11.0	47.8	1.1	25.1	14.9	4.9
36.0	14.5	54.1	7.0	10.9	48.3	1.1	24.2	14.6	4.9
36.5	14.3	56.1	7.3	10.9	62.8	1.1	24.4	14.3	4.9
37.0	14.3	54.9	7.8	11.0	56.7	1.1	23.8	14.3	4.7
37.5	14.2	53.7	8.3	11.5	51.3	1.1	24.2	14.1	4.6
38.0	14.3	53.2	9.0	12.1	50.8	1.1	24.8	14.2	4.4
38.5	14.3	51.7	9.9	13.0	44.8	1.0	24.1	14.0	4.5
39.0	14.3	51.5	10.8	13.8	45.6	1.0	24.0	14.1	4.1
39.5	14.2	54.5	12.0	14.1	67.0	1.0	24.4	14.1	4.3
40.0	13.9	54.4	13.0	14.0	69.6	1.0	25.9	13.5	4.4
40.5	13.6	51.0	14.3	13.6	49.4	1.0	24.4	13.3	4.5
41.0	13.2	50.3	15.4	13.6	48.3	1.0	24.1	13.0	4.6
41.5	12.7	48.1	16.1	13.8	39.8	1.0	24.5	12.5	4.7
42.0	12.3	50.4	16.6	14.5	54.4	1.0	23.5	12.1	4.9
42.5	11.9	48.3	16.6	15.3	45.2	1.0	22.8	12.1	5.0
43.0	11.6	49.3	16.0	15.9	52.6	1.0	24.1	11.8	5.1
43.5	11.2	49.0	15.3	16.1	52.6	1.0	24.4	11.7	5.3
44.0	10.8	49.1	14.3	15.9	55.6	1.0	24.6	11.3	5.5
44.5	10.3	47.6	13.5	15.7	48.8	1.0	23.5	9.8	5.7
45.0	9.7	47.5	12.7	15.5	50.9	1.0	23.6	9.8	6.3

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: V_{DD} = +5 V, I_{DD} = 128mA @ 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)			(dBm)	(dBm)	(dB)
10.0	7.8	63.1	6.4	4.9	169.3	0.8	15.6	5.2	7.9
10.5	9.7	61.1	7.6	5.2	120.5	0.8	15.3	5.8	7.0
11.0	11.4	59.9	9.2	5.5	95.6	0.8	16.3	6.4	6.3
11.5	12.9	61.3	11.4	6.0	102.8	0.8	17.2	7.1	5.6
12.0	14.3	60.6	14.3	6.5	88.3	0.8	18.1	7.7	5.0
12.5	15.4	58.3	17.8	7.1	63.4	0.8	18.7	8.2	4.5
13.0	16.3	57.1	20.6	7.9	52.4	0.8	18.8	8.9	4.1
13.5	16.9	55.2	21.0	8.8	40.8	0.9	19.1	9.3	3.8
14.0	17.4	54.5	20.1	9.7	36.2	0.9	19.6	9.8	3.6
14.5	17.8	54.7	19.6	10.7	36.8	0.9	21.1	10.3	3.4
15.0	18.0	54.4	19.9	11.5	35.2	0.9	20.9	10.9	3.3
15.5	18.0	54.4	20.3	12.1	35.4	0.9	21.3	11.3	3.3
16.0	18.0	53.4	21.0	12.5	31.9	1.0	21.9	11.5	3.2
16.5	18.1	53.2	21.3	12.8	31.6	1.0	22.7	11.9	3.1
17.0	18.0	53.5	21.1	13.0	32.9	1.0	22.6	12.0	3.0
17.5	17.9	54.3	20.0	13.3	36.7	1.0	22.5	12.2	3.0
18.0	17.8	53.3	18.4	13.4	33.4	1.0	22.9	12.2	3.0
18.5	17.6	53.7	16.6	13.4	35.8	1.0	23.1	12.4	3.0
19.0	17.3	54.4	14.5	13.2	39.6	1.0	23.7	12.5	3.1
19.5	17.1	53.8	12.7	12.6	37.3	1.0	23.1	12.4	3.2
20.0	16.7	53.3	11.0	11.9	35.4	1.0	23.1	12.4	3.3
20.5	16.2	55.4	9.9	11.1	45.2	1.0	22.1	12.6	3.4
21.0	15.8	55.3	9.0	10.3	45.3	1.0	23.2	12.7	3.6
21.5	15.5	55.8	8.5	9.8	47.9	1.0	23.5	12.8	3.5
22.0	15.3	56.0	8.3	9.5	49.7	1.0	23.4	13.1	3.5
22.5	15.2	55.3	8.2	9.5	46.4	1.0	24.3	13.3	3.5
23.0	15.1	57.1	8.5	9.6	58.8	1.0	24.4	13.7	3.4
23.5	15.1	58.8	8.8	9.9	73.8	1.0	24.1	13.9	3.4
24.0	15.1	56.5	9.1	10.1	57.4	1.0	24.5	14.4	3.4
24.5	15.1	56.5	9.5	10.2	58.1	1.0	24.5	14.4	3.5
25.0	15.1	57.5	9.8	10.3	66.4	1.0	23.8	14.7	3.5
25.5	15.2	59.6	10.1	10.4	85.2	1.0	25.0	15.0	3.5
26.0	15.2	61.8	10.4	10.4	110.0	1.0	24.5	15.4	3.5
26.5	15.3	57.4	10.8	10.4	66.3	1.0	24.8	15.6	3.6
27.0	15.4	58.6	11.2	10.3	76.0	1.0	24.5	16.1	3.7
27.5	15.4	57.9	11.6	10.0	69.5	1.0	24.3	16.1	3.7
28.0	15.5	62.0	11.9	9.7	111.3	1.0	24.5	16.2	3.7
28.5	15.5	61.6	12.4	9.6	107.6	0.9	24.6	16.3	3.8
29.0	15.5	63.0	12.8	9.9	126.7	0.9	24.5	16.3	3.8
29.5	15.6	61.2	13.4	10.6	105.1	1.0	24.3	16.4	3.8
30.0	15.7	64.7	13.8	11.6	160.9	1.0	23.6	16.3	3.8
30.5	15.7	63.7	14.2	12.8	146.2	1.0	24.8	16.4	3.8
31.0	15.8	68.1	14.1	13.6	242.6	1.0	24.7	16.5	4.0
31.5	15.8	63.2	13.6	13.6	139.6	1.0	25.4	16.9	4.0
32.0	15.7	65.7	12.4	12.8	184.0	1.0	24.6	16.6	4.2
32.5	15.7	63.3	10.9	12.0	137.8	1.0	24.0	15.8	4.3
33.0	15.6	64.0	9.5	11.5	146.6	1.0	24.4	15.7	4.6
33.5	15.5	60.7	8.5	11.2	98.6	1.1	23.9	15.6	4.7
34.0	15.4	61.1	7.7	11.0	102.3	1.1	24.3	15.2	4.9
34.5	15.2	61.4	7.2	11.0	104.9	1.1	24.9	15.3	5.0
35.0	15.0	59.0	6.9	11.0	80.2	1.1	24.7	14.9	4.9
35.5	14.8	56.8	6.9	11.0	62.8	1.1	24.2	15.1	5.0
36.0	14.7	56.9	7.1	10.9	65.3	1.1	24.1	14.8	5.0
36.5	14.5	54.7	7.3	10.9	52.0	1.1	24.0	14.5	4.9
37.0	14.4	54.4	7.8	11.0	51.9	1.1	24.6	14.8	5.7
37.5	14.4	53.6	8.3	11.5	49.8	1.1	23.6	14.4	4.8
38.0	14.5	53.5	9.1	12.1	51.3	1.1	24.5	14.4	4.4
38.5	14.5	53.0	9.9	13.0	50.9	1.0	25.0	14.4	4.5
39.0	14.4	50.9	10.8	13.9	41.7	1.0	24.3	14.5	4.5
39.5	14.4	55.3	12.0	14.1	71.8	1.0	23.8	14.5	4.6
40.0	14.1	50.7	13.1	13.9	44.4	1.0	23.6	13.9	4.5
40.5	13.8	51.4	14.2	13.6	50.5	1.0	24.2	13.7	4.5
41.0	13.3	50.1	15.3	13.5	45.9	1.0	23.5	13.4	4.6
41.5	12.9	50.4	16.1	13.7	50.3	1.0	24.9	12.9	4.7
42.0	12.5	51.3	16.6	14.3	59.2	1.0	23.5	12.5	4.9
42.5	12.1	51.3	16.5	15.2	62.8	1.0	24.4	12.4	5.0
43.0	11.8	51.1	16.1	15.8	63.0	1.0	23.6	12.0	5.2
43.5	11.4	49.0	15.4	16.1	51.5	1.0	24.2	11.9	5.3
44.0	11.0	48.3	14.4	15.9	49.7	1.0	23.8	11.6	5.5
44.5	10.5	48.7	13.5	15.7	54.4	1.0	24.2	10.1	5.8
45.0	9.9	48.1	12.7	15.6	53.7	1.0	23.8	10.1	5.9

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: V_{DD} = +5 V, I_{DD} = 136mA @ 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)			(dBm)	(dBm)	(dB)
10.0	7.9	62.0	6.4	4.9	147.7	0.8	16.0	5.6	7.9
10.5	9.7	62.9	7.6	5.2	147.2	0.8	15.7	6.0	7.0
11.0	11.5	62.9	9.2	5.5	134.7	0.8	16.7	6.5	6.3
11.5	13.0	61.0	11.4	6.0	99.3	0.8	17.5	7.3	5.6
12.0	14.4	57.8	14.3	6.5	63.2	0.8	18.5	7.9	5.0
12.5	15.5	58.0	17.7	7.1	60.9	0.8	19.1	8.4	4.5
13.0	16.4	57.3	20.5	7.9	53.4	0.8	19.1	9.1	4.1
13.5	17.0	55.0	20.9	8.7	39.6	0.9	19.5	9.6	3.8
14.0	17.5	55.1	20.0	9.7	38.5	0.9	20.2	10.1	3.6
14.5	17.8	55.7	19.5	10.7	40.8	0.9	21.3	10.5	3.4
15.0	18.0	53.8	19.8	11.5	32.8	0.9	21.0	11.1	3.3
15.5	18.1	53.4	20.2	12.2	31.5	0.9	21.6	11.5	3.3
16.0	18.1	54.0	21.0	12.6	34.1	1.0	22.3	11.7	3.2
16.5	18.1	54.7	21.3	12.8	37.0	1.0	23.5	12.0	3.1
17.0	18.1	54.0	21.1	13.1	34.8	1.0	23.3	12.2	3.0
17.5	18.0	54.1	20.0	13.3	35.8	1.0	22.8	12.4	3.0
18.0	17.9	54.9	18.4	13.5	40.2	1.0	23.1	12.4	3.0
18.5	17.6	54.1	16.5	13.5	37.3	1.0	23.5	12.6	3.0
19.0	17.4	54.1	14.5	13.3	38.1	1.0	23.2	12.7	3.1
19.5	17.1	54.3	12.7	12.7	39.2	1.0	23.8	12.6	3.2
20.0	16.7	55.2	11.0	12.0	43.6	1.0	23.5	12.8	3.3
20.5	16.3	55.6	9.8	11.1	46.3	1.0	22.3	12.8	3.4
21.0	15.9	55.7	9.0	10.4	47.1	1.0	23.6	13.0	3.4
21.5	15.6	56.0	8.5	9.8	48.4	1.0	24.7	13.1	3.5
22.0	15.4	56.8	8.3	9.5	54.1	1.0	23.6	13.3	3.5
22.5	15.2	55.7	8.2	9.5	48.5	1.0	24.1	13.6	3.5
23.0	15.2	56.5	8.5	9.7	54.4	1.0	24.2	14.1	3.5
23.5	15.2	58.8	8.8	9.9	72.6	1.0	23.8	14.1	3.5
24.0	15.2	56.5	9.1	10.1	56.5	1.0	25.0	14.7	3.5
24.5	15.2	55.9	9.5	10.2	53.6	1.0	24.9	14.8	3.4
25.0	15.2	59.6	9.8	10.3	83.4	1.0	23.8	15.1	3.5
25.5	15.3	60.9	10.1	10.4	97.5	1.0	24.4	15.4	3.5
26.0	15.4	59.0	10.4	10.4	78.8	1.0	24.7	15.8	3.5
26.5	15.5	60.2	10.8	10.4	89.6	1.0	24.3	16.0	3.6
27.0	15.5	58.4	11.1	10.3	73.0	1.0	24.6	16.5	3.6
27.5	15.6	64.1	11.5	10.0	140.6	1.0	24.2	16.5	3.7
28.0	15.6	67.2	11.9	9.7	199.8	0.9	24.6	16.5	3.7
28.5	15.6	68.2	12.4	9.6	224.6	0.9	24.3	16.7	3.7
29.0	15.7	60.2	12.8	9.9	90.2	0.9	25.2	16.7	3.8
29.5	15.7	61.0	13.3	10.6	100.6	1.0	25.0	16.9	3.7
30.0	15.8	65.4	13.9	11.6	171.7	1.0	24.6	16.7	3.8
30.5	15.9	68.6	14.2	12.8	253.0	1.0	25.4	16.7	3.8
31.0	16.0	62.7	14.2	13.7	128.4	1.0	24.0	16.9	3.9
31.5	16.0	64.5	13.7	13.6	158.3	1.0	26.2	17.1	4.0
32.0	15.9	63.9	12.4	12.9	145.7	1.0	25.4	16.9	4.2
32.5	15.9	67.5	10.9	12.1	219.0	1.0	24.5	16.1	4.4
33.0	15.8	60.3	9.5	11.5	93.1	1.0	25.3	16.1	4.6
33.5	15.7	61.5	8.5	11.2	106.0	1.1	24.3	16.0	4.7
34.0	15.6	57.0	7.6	11.0	61.7	1.1	24.3	15.4	4.8
34.5	15.4	60.6	7.2	11.0	93.6	1.1	25.2	15.6	5.0
35.0	15.2	57.3	6.9	11.0	64.2	1.1	24.3	15.3	5.0
35.5	15.0	56.1	6.9	11.0	56.8	1.1	24.5	15.4	5.0
36.0	14.9	59.9	7.0	10.9	89.8	1.1	24.6	15.2	5.0
36.5	14.7	56.8	7.3	10.9	64.3	1.1	24.6	14.8	5.0
37.0	14.7	55.1	7.8	11.0	55.3	1.1	24.0	15.0	4.9
37.5	14.6	58.1	8.3	11.5	81.2	1.1	22.9	14.6	4.7
38.0	14.7	52.1	9.0	12.1	42.5	1.1	24.4	14.8	4.6
38.5	14.7	50.6	10.0	13.1	37.8	1.0	24.2	14.6	4.5
39.0	14.7	53.8	10.9	13.8	57.0	1.0	24.0	14.8	4.5
39.5	14.6	51.6	12.0	14.1	45.9	1.0	24.0	14.7	4.5
40.0	14.3	51.0	13.1	13.9	45.2	1.0	23.5	14.3	4.5
40.5	14.0	53.2	14.3	13.6	60.7	1.0	24.8	14.1	4.5
41.0	13.5	50.7	15.3	13.5	48.5	1.0	25.5	13.8	4.6
41.5	13.1	50.6	16.0	13.6	50.2	1.0	23.3	13.2	4.7
42.0	12.7	51.9	16.6	14.3	61.9	1.0	24.1	12.8	4.9
42.5	12.3	51.0	16.5	15.1	58.6	1.0	23.5	12.7	5.0
43.0	12.0	49.7	16.1	15.8	52.6	1.0	23.4	12.2	5.1
43.5	11.6	48.9	15.4	16.1	49.7	1.0	24.4	12.2	5.3
44.0	11.2	48.4	14.4	15.9	49.0	1.0	24.3	11.8	5.5
44.5	10.7	48.6	13.6	15.8	52.7	1.0	25.3	10.3	5.7
45.0	10.1	47.9	12.8	15.6	51.3	1.0	24.0	10.3	5.7