

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +5 V, I_{DD} = 677 mA, Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P _{OUT} = +12 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure				
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.00	11.9	-65.3	-7.3	-22.4	216.2	1.2	37.3	21.3	25.0	17.0
4.50	15.8	-64.5	-9.1	-24.2	136.2	1.1	35.7	22.0	25.5	14.2
5.00	19.1	-62.7	-10.8	-17.1	78.6	1.1	34.9	22.7	26.0	12.1
5.50	21.2	-64.0	-12.8	-14.7	73.6	1.0	33.8	23.1	26.1	10.3
6.00	22.5	-62.3	-14.9	-15.0	53.5	1.0	33.4	23.5	26.0	8.9
6.50	23.2	-60.0	-16.4	-17.3	39.3	1.0	33.0	23.9	26.3	7.9
7.00	23.2	-57.3	-17.2	-17.5	29.0	1.0	32.8	24.3	26.6	7.2
7.50	23.0	-59.8	-18.0	-17.0	40.0	1.0	32.9	24.5	26.9	6.8
8.00	22.7	-60.6	-18.0	-15.9	45.1	1.0	32.9	24.6	27.2	6.5
8.50	22.4	-58.7	-16.5	-14.1	36.9	1.0	32.7	24.8	27.5	6.4
9.00	22.3	-64.0	-15.2	-13.2	68.2	1.0	32.6	25.0	27.9	6.2
9.50	22.3	-72.6	-14.8	-13.2	185.8	1.0	32.7	25.0	27.9	5.9
10.00	22.3	-75.1	-15.4	-13.6	247.3	1.0	32.6	24.8	27.7	5.8
10.25	22.3	-72.2	-15.8	-13.8	178.2	1.0	32.7	24.6	27.5	5.7
10.50	22.4	-68.5	-16.2	-14.4	116.8	1.0	32.8	24.6	27.6	5.6
10.75	22.4	-67.3	-16.2	-14.8	102.4	1.0	32.8	24.7	27.7	5.6
11.00	22.3	-61.3	-15.8	-15.7	52.1	1.0	32.9	24.6	27.5	5.5
11.25	22.3	-60.3	-15.1	-16.1	46.6	1.0	32.9	24.7	27.5	5.5
11.50	22.1	-59.9	-13.7	-16.2	45.0	1.0	32.8	24.5	27.4	5.4
11.75	22.0	-60.7	-12.8	-16.0	49.5	1.0	32.8	24.4	27.3	5.4
12.00	21.8	-59.0	-11.8	-15.3	41.4	1.0	32.8	24.5	27.3	5.4
12.25	21.7	-59.6	-11.5	-15.0	44.3	1.0	32.9	24.5	27.3	5.4
12.50	21.5	-58.6	-11.6	-15.1	40.4	1.0	32.8	24.6	27.5	5.3
12.75	21.5	-57.9	-12.0	-15.3	37.9	1.0	32.8	24.6	27.5	5.3
13.00	21.4	-60.5	-13.0	-16.3	52.5	1.0	32.7	24.7	27.5	5.2
13.25	21.4	-61.2	-13.9	-17.2	58.1	1.0	32.7	24.7	27.5	5.2
13.50	21.4	-59.1	-15.4	-18.1	47.1	1.0	32.7	24.8	27.5	5.1
13.75	21.3	-58.4	-16.5	-18.4	43.8	1.0	32.8	24.9	27.6	5.0
14.00	21.3	-61.8	-18.5	-18.2	66.0	1.0	32.8	25.0	27.6	4.9
14.25	21.2	-63.4	-19.9	-17.7	80.2	1.0	32.9	25.0	27.6	4.9
14.50	21.2	-63.0	-22.2	-17.0	76.6	1.0	32.8	24.9	27.5	4.8
14.75	21.2	-63.0	-22.4	-16.9	76.9	1.0	32.7	24.9	27.5	4.8
15.00	21.2	-60.2	-21.7	-17.1	55.9	1.0	32.9	24.9	27.4	4.8
15.25	21.2	-59.1	-20.6	-17.6	49.2	1.0	32.9	24.8	27.4	4.7
15.50	21.3	-60.9	-18.5	-18.8	60.2	1.0	32.9	24.9	27.5	4.7
15.75	21.4	-57.3	-17.1	-19.0	39.1	1.0	33.0	24.8	27.3	4.7
16.00	21.6	-58.4	-15.0	-17.4	43.2	1.0	33.0	24.6	27.2	4.8
16.25	21.7	-55.7	-13.8	-16.3	30.7	1.0	32.9	24.5	27.2	4.8
16.50	22.0	-54.9	-12.7	-14.9	26.4	1.0	32.8	24.3	27.0	4.8
16.75	22.2	-53.2	-12.5	-14.3	21.2	1.0	32.5	24.4	27.1	4.8
17.00	22.6	-53.2	-12.4	-13.8	20.1	1.0	32.2	24.4	27.1	4.8
17.25	22.9	-51.8	-12.7	-13.7	16.7	1.0	31.9	24.4	27.1	4.9
17.50	23.2	-53.0	-13.2	-13.9	18.8	1.0	31.4	24.4	27.1	4.9
17.75	23.3	-50.8	-13.4	-14.3	14.6	1.0	31.6	24.4	27.1	5.0
18.00	23.4	-50.1	-13.7	-14.7	13.4	1.0	31.4	24.4	27.2	5.0
18.25	23.3	-50.7	-13.6	-15.0	14.5	1.0	31.4	24.4	27.7	5.1
18.50	23.1	-51.2	-13.2	-14.8	15.8	1.0	31.0	24.2	27.6	5.3
18.75	22.8	-50.2	-12.8	-14.4	14.4	1.0	30.9	23.8	26.9	5.3
19.00	22.2	-51.5	-12.3	-13.7	17.9	1.0	30.6	23.6	26.5	5.6
19.25	21.6	-52.6	-11.8	-12.8	21.4	1.0	30.6	23.4	26.1	5.8
19.50	20.3	-54.7	-11.9	-12.6	31.5	1.0	31.1	23.1	25.8	6.1
19.75	19.2	-56.5	-12.4	-12.6	45.1	1.0	30.6	22.6	25.0	6.5
20.00	16.7	-61.0	-12.8	-12.4	100.8	1.0	30.7	22.3	24.7	7.2

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +6 V, I_{DD} = 687 mA, Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P _{OUT} = +12 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure				
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.00	11.5	-64.2	-7.3	-22.2	199.3	1.2	36.4	22.9	26.4	17.1
4.50	15.5	-69.3	-9.1	-26.2	248.0	1.1	35.0	23.6	27.1	14.4
5.00	18.7	-63.5	-10.8	-17.2	90.1	1.1	34.7	24.4	27.8	12.4
5.50	20.8	-71.4	-12.8	-14.4	181.2	1.0	33.8	24.9	28.1	10.5
6.00	22.1	-59.6	-14.9	-14.7	41.0	1.0	33.4	25.3	28.0	9.1
6.50	22.6	-58.1	-16.3	-17.0	33.3	1.0	33.0	25.7	28.3	8.1
7.00	22.6	-58.3	-17.2	-17.5	34.6	1.0	32.9	26.1	28.4	7.4
7.50	22.4	-58.2	-18.0	-17.2	35.7	1.0	32.9	26.5	28.6	7.0
8.00	22.1	-62.6	-17.9	-16.1	60.8	1.0	32.9	26.6	28.8	6.7
8.50	21.7	-61.6	-16.5	-14.2	55.5	1.0	32.4	26.9	29.2	6.5
9.00	21.5	-64.1	-15.2	-13.2	75.4	1.0	32.4	26.9	29.4	6.3
9.50	21.5	-72.4	-14.8	-13.1	199.2	1.0	32.5	26.8	29.2	6.1
10.00	21.4	-71.4	-15.2	-13.5	179.5	1.0	32.3	26.4	28.8	5.9
10.25	21.4	-81.6	-15.6	-13.6	581.2	1.0	32.4	26.2	28.6	5.9
10.50	21.4	-71.1	-16.0	-14.2	176.0	1.0	32.4	26.2	28.6	5.8
10.75	21.4	-70.2	-16.1	-14.5	158.9	1.0	32.4	26.3	28.8	5.7
11.00	21.3	-64.4	-15.7	-15.3	83.1	1.0	32.6	26.2	28.7	5.6
11.25	21.2	-62.4	-15.0	-15.7	66.6	1.0	32.4	26.3	28.7	5.6
11.50	21.0	-61.1	-13.7	-15.8	58.5	1.0	32.4	26.1	28.5	5.5
11.75	20.9	-62.3	-12.8	-15.6	67.5	1.0	32.4	26.0	28.4	5.5
12.00	20.7	-61.3	-12.0	-15.0	61.0	1.0	32.4	26.1	28.4	5.6
12.25	20.6	-58.7	-11.7	-14.7	45.6	1.0	32.4	26.1	28.5	5.5
12.50	20.5	-59.1	-11.8	-14.8	48.6	1.0	32.2	26.2	28.7	5.5
12.75	20.4	-59.1	-12.3	-15.1	49.2	1.0	32.3	26.1	28.7	5.4
13.00	20.4	-59.8	-13.3	-16.1	54.9	1.0	32.2	26.2	28.7	5.3
13.25	20.4	-59.7	-14.2	-17.0	55.4	1.0	32.3	26.2	28.7	5.2
13.50	20.3	-60.2	-15.7	-18.1	59.7	1.0	32.3	26.2	28.7	5.2
13.75	20.3	-61.1	-16.7	-18.4	67.2	1.0	32.3	26.4	28.8	5.1
14.00	20.3	-66.3	-18.6	-18.3	123.6	1.0	32.4	26.5	28.9	5.1
14.25	20.3	-61.0	-20.0	-17.9	67.3	1.0	32.4	26.5	29.0	5.1
14.50	20.3	-58.9	-21.9	-17.2	53.1	1.0	32.5	26.4	29.0	5.0
14.75	20.3	-62.4	-22.0	-17.2	79.9	1.0	32.2	26.4	28.9	5.0
15.00	20.4	-63.5	-21.5	-17.4	89.9	1.0	32.4	26.3	28.9	4.9
15.25	20.5	-61.3	-20.5	-17.8	69.3	1.0	32.4	26.3	28.9	4.9
15.50	20.6	-59.8	-18.5	-18.9	57.5	1.0	32.3	26.3	28.9	4.9
15.75	20.7	-57.2	-17.1	-19.1	41.9	1.0	32.5	26.2	28.8	4.9
16.00	20.9	-59.9	-15.0	-17.5	54.9	1.0	32.4	26.1	28.7	4.9
16.25	21.1	-56.3	-13.9	-16.4	35.4	1.0	32.3	26.0	28.6	5.0
16.50	21.4	-55.6	-12.8	-14.9	30.7	1.0	32.2	25.7	28.3	5.0
16.75	21.7	-55.1	-12.6	-14.3	28.1	1.0	31.9	25.8	28.4	5.0
17.00	22.1	-52.2	-12.4	-13.9	19.2	1.0	31.6	25.8	28.4	5.0
17.25	22.4	-52.0	-12.8	-13.8	18.2	1.0	31.5	25.9	28.5	5.1
17.50	22.6	-53.0	-13.3	-14.0	20.0	1.0	31.0	25.9	28.5	5.1
17.75	22.8	-50.8	-13.4	-14.5	15.5	1.0	31.1	26.0	28.6	5.1
18.00	22.8	-51.1	-13.7	-14.9	16.4	1.0	31.0	26.0	28.8	5.2
18.25	22.6	-50.6	-13.6	-15.1	15.5	1.0	30.8	26.2	29.4	5.2
18.50	22.3	-51.2	-13.2	-14.8	17.3	1.0	30.7	26.1	29.3	5.4
18.75	22.0	-51.0	-12.7	-14.4	17.4	1.0	30.3	25.7	28.5	5.5
19.00	21.3	-52.6	-12.2	-13.6	22.4	1.0	30.2	25.5	28.2	5.8
19.25	20.6	-52.5	-11.8	-12.8	23.7	1.0	30.1	25.4	27.9	6.0
19.50	19.3	-56.4	-11.9	-12.7	43.4	1.0	30.0	25.2	27.6	6.3
19.75	18.1	-57.0	-12.5	-12.8	54.1	1.0	29.7	24.7	26.9	6.7
20.00	15.8	-63.9	-12.8	-12.5	156.8	1.0	29.6	24.5	26.5	7.4

Typical Performance Data

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Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +7 V, I_{DD} = 697 mA, Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P _{OUT} = +12 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure				
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.00	11.06	-65.8	-7.3	-21.8	250.8	1.2	36.1	24.0	27.4	17.3
4.50	15.05	-67.9	-9.1	-28.0	221.9	1.1	35.3	24.8	28.3	14.6
5.00	18.31	-61.9	-10.8	-17.2	78.8	1.1	34.8	25.7	29.0	12.5
5.50	20.33	-70.2	-12.8	-14.2	164.6	1.0	33.9	26.2	29.4	10.7
6.00	21.56	-62.1	-14.8	-14.3	57.8	1.0	33.5	26.7	29.4	9.3
6.50	22.07	-58.2	-16.3	-16.7	36.0	1.0	33.2	27.2	29.6	8.3
7.00	21.98	-58.6	-17.1	-17.6	38.5	1.0	33.1	27.7	29.7	7.6
7.50	21.75	-57.9	-17.9	-17.4	37.1	1.0	33.1	28.2	29.8	7.2
8.00	21.39	-61.0	-17.9	-16.2	54.6	1.0	33.1	28.3	30.0	6.9
8.50	21.06	-61.8	-16.4	-14.3	61.8	1.0	32.7	28.3	30.3	6.7
9.00	20.80	-63.7	-15.2	-13.2	78.3	1.0	32.5	28.3	30.4	6.4
9.50	20.67	-65.0	-14.7	-13.0	92.7	1.0	32.6	28.1	30.0	6.3
10.00	20.59	-69.3	-15.2	-13.3	154.3	1.0	32.4	27.7	29.4	6.1
10.25	20.56	-70.9	-15.5	-13.4	187.2	1.0	32.5	27.4	29.2	6.0
10.50	20.53	-69.0	-15.9	-13.9	153.0	1.0	32.4	27.4	29.2	6.0
10.75	20.49	-64.5	-16.0	-14.3	92.0	1.0	32.5	27.5	29.3	5.9
11.00	20.39	-64.6	-15.6	-15.0	94.6	1.0	32.6	27.3	29.2	5.8
11.25	20.28	-65.5	-15.0	-15.4	106.4	1.0	32.5	27.3	29.2	5.8
11.50	20.07	-61.0	-13.7	-15.5	64.6	1.0	32.4	27.2	29.1	5.8
11.75	19.91	-62.1	-12.9	-15.3	73.3	1.0	32.4	27.1	29.1	5.7
12.00	19.69	-60.4	-12.1	-14.7	61.5	1.0	32.4	27.2	29.1	5.7
12.25	19.59	-60.6	-11.8	-14.5	63.7	1.0	32.4	27.1	29.1	5.7
12.50	19.49	-62.7	-12.0	-14.6	82.3	1.0	32.2	27.2	29.3	5.7
12.75	19.45	-60.2	-12.5	-14.8	62.7	1.0	32.3	27.2	29.3	5.6
13.00	19.44	-60.4	-13.5	-15.9	65.7	1.0	32.2	27.3	29.4	5.5
13.25	19.41	-63.0	-14.4	-16.8	90.2	1.0	32.2	27.2	29.4	5.5
13.50	19.42	-62.2	-15.9	-18.0	83.5	1.0	32.4	27.2	29.3	5.4
13.75	19.42	-60.6	-16.9	-18.4	70.4	1.0	32.4	27.4	29.6	5.3
14.00	19.41	-60.0	-18.7	-18.4	66.0	1.0	32.4	27.5	29.7	5.3
14.25	19.42	-60.1	-19.9	-18.0	67.4	1.0	32.4	27.5	29.8	5.3
14.50	19.48	-60.8	-21.7	-17.4	72.6	1.0	32.4	27.5	29.8	5.2
14.75	19.52	-63.0	-21.8	-17.4	93.9	1.0	32.4	27.5	29.9	5.2
15.00	19.62	-60.1	-21.3	-17.5	66.6	1.0	32.4	27.4	29.8	5.1
15.25	19.72	-61.2	-20.4	-18.0	74.7	1.0	32.4	27.4	29.9	5.2
15.50	19.90	-61.6	-18.5	-19.1	76.7	1.0	32.3	27.4	30.0	5.1
15.75	20.04	-58.9	-17.1	-19.2	55.2	1.0	32.4	27.3	29.9	5.2
16.00	20.28	-56.1	-15.0	-17.6	38.5	1.0	32.2	27.2	29.7	5.1
16.25	20.47	-56.0	-13.9	-16.4	36.8	1.0	32.1	27.2	29.6	5.2
16.50	20.81	-53.4	-12.8	-14.9	25.5	1.0	32.2	27.0	29.3	5.3
16.75	21.08	-56.1	-12.6	-14.3	33.9	1.0	31.8	27.1	29.4	5.2
17.00	21.50	-53.5	-12.4	-14.0	23.8	1.0	31.3	27.0	29.4	5.3
17.25	21.75	-53.8	-12.8	-13.9	24.1	1.0	31.2	27.2	29.5	5.3
17.50	22.00	-52.8	-13.3	-14.2	21.1	1.0	30.9	27.4	29.6	5.3
17.75	22.10	-52.8	-13.4	-14.6	21.2	1.0	30.9	27.7	29.8	5.4
18.00	22.05	-50.4	-13.7	-15.1	16.2	1.0	30.8	27.8	29.9	5.4
18.25	21.90	-50.8	-13.6	-15.3	17.4	1.0	30.6	28.2	30.5	5.5
18.50	21.52	-51.2	-13.1	-14.9	18.9	1.0	30.7	28.1	30.7	5.7
18.75	21.14	-51.9	-12.6	-14.3	21.3	1.0	30.5	27.7	30.1	5.7
19.00	20.36	-52.8	-12.2	-13.6	25.4	1.0	30.5	27.6	29.7	6.0
19.25	19.68	-53.7	-11.8	-12.8	30.3	1.0	30.4	27.4	29.3	6.2
19.50	18.32	-56.5	-12.0	-12.8	49.6	1.0	30.2	27.3	29.0	6.6
19.75	17.14	-61.2	-12.5	-12.9	98.5	1.0	30.1	26.7	28.3	6.9
20.00	14.85	-58.0	-12.7	-12.7	88.5	1.0	30.2	26.4	27.8	7.7

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +5 V, I_{DD} = 695 mA, Temperature = -55°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P _{OUT} = +12 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure				
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.00	13.42	-66.9	-7.6	-20.3	224.5	1.2	35.2	20.4	24.8	15.6
4.50	17.50	-71.0	-9.3	-21.7	243.8	1.1	35.2	21.1	24.9	12.9
5.00	20.79	-64.3	-10.4	-16.0	78.1	1.1	34.9	22.0	25.3	10.8
5.50	23.06	-60.4	-12.2	-14.1	39.2	1.0	35.2	22.7	25.4	9.0
6.00	24.55	-58.7	-14.2	-14.4	27.9	1.0	35.0	23.1	25.3	7.5
6.50	25.31	-60.2	-15.6	-16.0	31.1	1.0	35.0	23.6	25.7	6.5
7.00	25.37	-59.0	-16.4	-15.9	27.3	1.0	35.0	23.7	25.9	5.9
7.50	25.24	-58.4	-17.2	-16.1	26.0	1.0	35.1	23.8	26.4	5.4
8.00	24.99	-59.5	-17.4	-16.1	30.5	1.0	35.2	23.9	26.7	5.2
8.50	24.68	-60.1	-15.7	-13.6	32.9	1.0	34.9	23.9	26.8	5.0
9.00	24.50	-61.7	-14.1	-11.8	39.4	1.0	34.8	24.0	27.3	4.8
9.50	24.55	-73.3	-13.7	-12.3	151.2	1.0	35.0	24.1	27.6	4.6
10.00	24.72	-64.3	-14.7	-14.2	54.2	1.0	35.4	23.9	27.4	4.5
10.25	24.79	-66.0	-15.2	-14.7	66.0	1.0	35.9	23.8	27.2	4.4
10.50	24.88	-77.1	-16.1	-15.1	237.5	1.0	35.8	23.9	27.4	4.3
10.75	24.91	-67.2	-16.4	-14.9	75.8	1.0	35.9	24.1	27.5	4.2
11.00	24.91	-62.6	-16.0	-14.7	44.2	1.0	35.9	24.0	27.3	4.2
11.25	24.85	-65.1	-15.0	-14.8	59.3	1.0	35.6	24.0	27.0	4.1
11.50	24.75	-58.6	-13.4	-15.6	28.3	1.0	35.5	23.8	27.1	4.2
11.75	24.65	-61.0	-12.4	-16.3	37.4	1.0	35.5	23.7	27.0	4.1
12.00	24.48	-60.4	-11.3	-16.8	35.0	1.1	35.3	23.6	26.9	4.1
12.25	24.40	-60.3	-10.8	-16.6	34.8	1.1	35.3	23.7	26.8	4.1
12.50	24.28	-59.2	-10.8	-15.7	30.9	1.1	34.8	23.8	27.0	4.0
12.75	24.21	-59.3	-11.0	-15.1	31.8	1.0	34.9	23.8	26.9	4.0
13.00	24.15	-58.9	-11.9	-14.8	30.8	1.0	34.8	23.9	27.0	3.9
13.25	24.12	-58.4	-12.9	-15.2	29.8	1.0	34.8	23.9	26.9	3.8
13.50	24.11	-60.3	-14.6	-16.5	38.5	1.0	34.8	23.9	26.8	3.8
13.75	24.10	-59.3	-15.9	-18.0	34.6	1.0	34.9	24.1	26.7	3.7
14.00	24.07	-62.5	-18.2	-20.8	51.3	1.0	34.9	24.1	26.7	3.6
14.25	24.04	-60.3	-20.0	-22.1	40.5	1.0	34.9	24.1	26.7	3.6
14.50	23.99	-62.1	-23.2	-19.8	50.1	1.0	35.0	24.0	26.6	3.5
14.75	23.93	-61.9	-24.4	-17.7	49.0	1.0	34.8	24.0	26.6	3.5
15.00	23.87	-60.6	-23.6	-15.4	42.1	1.0	34.7	23.9	26.5	3.4
15.25	23.85	-61.7	-21.7	-14.6	47.7	1.0	34.4	23.8	26.5	3.4
15.50	23.90	-59.7	-18.7	-15.0	37.3	1.0	34.6	23.8	26.6	3.4
15.75	23.99	-58.1	-17.1	-16.0	30.9	1.0	35.0	23.7	26.4	3.4
16.00	24.23	-57.3	-15.2	-18.7	27.4	1.0	34.8	23.5	26.3	3.4
16.25	24.42	-57.1	-14.1	-20.6	26.2	1.0	34.9	23.4	26.2	3.4
16.50	24.75	-56.8	-12.9	-17.6	23.9	1.0	34.2	23.2	26.0	3.4
16.75	24.98	-53.7	-12.5	-15.2	16.0	1.0	34.1	23.3	26.1	3.4
17.00	25.38	-54.8	-12.1	-12.8	16.8	1.0	34.0	23.3	25.7	3.4
17.25	25.66	-53.4	-12.2	-12.0	13.8	1.0	34.1	23.4	25.5	3.5
17.50	26.03	-51.5	-12.6	-11.2	10.6	1.0	33.7	23.4	25.4	3.5
17.75	26.28	-52.6	-12.6	-11.4	11.8	1.0	33.8	23.5	25.5	3.5
18.00	26.57	-50.3	-13.3	-13.0	9.1	1.0	34.0	23.5	25.6	3.5
18.25	26.70	-49.5	-13.6	-15.6	8.4	1.0	34.1	23.6	25.8	3.6
18.50	26.70	-50.4	-13.5	-19.1	9.5	1.0	33.8	23.6	26.0	3.6
18.75	26.56	-50.4	-13.1	-17.7	9.5	1.0	34.2	23.3	25.5	3.8
19.00	26.11	-50.8	-12.5	-14.5	10.2	1.0	34.9	23.0	25.1	3.8
19.25	25.62	-50.8	-11.5	-11.7	10.4	1.0	35.9	22.9	24.8	4.0
19.50	24.45	-52.3	-10.4	-9.6	13.2	1.0	38.6	22.7	24.7	4.3
19.75	23.36	-55.5	-10.5	-9.1	21.4	0.9	39.0	22.2	24.2	4.6
20.00	21.15	-58.8	-11.8	-9.9	42.4	1.0	38.5	21.9	24.0	5.2

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +6 V, I_{DD} = 714 mA, Temperature = -55°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P _{OUT} = +12 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure				
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.00	12.81	-64.0	-7.6	-20.2	174.0	1.2	37.2	22.5	26.6	15.8
4.50	16.89	-68.9	-9.3	-22.7	204.6	1.1	35.1	23.1	27.2	13.0
5.00	20.18	-62.4	-10.4	-16.1	67.5	1.1	34.6	24.0	27.8	11.0
5.50	22.40	-68.2	-12.1	-14.0	103.4	1.0	33.7	24.5	28.1	9.1
6.00	23.81	-60.6	-14.1	-14.3	37.9	1.0	33.3	24.9	28.0	7.7
6.50	24.48	-57.4	-15.5	-15.9	24.9	1.0	32.8	25.3	28.4	6.7
7.00	24.48	-59.8	-16.3	-15.9	33.1	1.0	32.6	25.6	28.5	6.1
7.50	24.30	-58.9	-17.1	-16.2	30.6	1.0	32.6	25.8	28.7	5.6
8.00	24.02	-63.0	-17.3	-16.3	50.9	1.0	32.7	26.0	29.0	5.4
8.50	23.68	-61.2	-15.7	-13.7	42.0	1.0	32.5	26.1	29.3	5.2
9.00	23.46	-61.6	-14.1	-11.9	43.8	1.0	32.4	26.2	29.7	5.0
9.50	23.46	-66.7	-13.6	-12.2	79.9	1.0	32.3	26.2	29.5	4.8
10.00	23.56	-90.3	-14.4	-14.0	1229.1	1.0	32.2	25.9	29.1	4.6
10.25	23.59	-69.4	-15.0	-14.5	112.3	1.0	32.3	25.8	28.8	4.5
10.50	23.63	-72.9	-15.7	-14.9	168.1	1.0	32.4	25.9	28.9	4.5
10.75	23.61	-63.7	-16.0	-14.6	58.8	1.0	32.4	26.0	29.1	4.4
11.00	23.54	-67.5	-15.5	-14.4	90.8	1.0	32.5	26.0	29.0	4.3
11.25	23.44	-65.6	-14.6	-14.5	73.1	1.0	32.4	26.0	29.1	4.3
11.50	23.28	-60.1	-13.1	-15.2	39.6	1.0	32.3	25.9	29.0	4.3
11.75	23.16	-60.2	-12.2	-16.0	40.2	1.0	32.3	25.9	28.9	4.3
12.00	22.97	-58.8	-11.3	-16.6	34.7	1.0	32.3	25.9	28.9	4.3
12.25	22.88	-60.1	-11.0	-16.4	40.6	1.1	32.3	25.9	28.8	4.2
12.50	22.75	-61.1	-11.1	-15.5	46.0	1.0	32.1	26.1	29.1	4.2
12.75	22.68	-59.3	-11.5	-14.8	37.8	1.0	32.0	26.0	29.1	4.1
13.00	22.62	-60.1	-12.4	-14.5	42.7	1.0	32.0	26.0	29.1	4.1
13.25	22.58	-60.7	-13.4	-15.0	46.6	1.0	32.0	26.0	29.0	4.0
13.50	22.58	-60.8	-15.3	-16.3	48.8	1.0	32.1	26.0	28.8	3.9
13.75	22.59	-60.0	-16.6	-17.9	45.2	1.0	32.1	26.1	28.9	3.9
14.00	22.58	-63.1	-18.9	-21.1	65.8	1.0	32.1	26.1	28.9	3.8
14.25	22.57	-61.3	-20.7	-22.5	53.7	1.0	32.1	26.1	29.1	3.7
14.50	22.56	-62.8	-23.5	-20.0	64.2	1.0	32.1	26.0	29.0	3.7
14.75	22.53	-63.0	-24.0	-17.8	65.1	1.0	32.1	25.9	28.9	3.7
15.00	22.50	-62.5	-22.7	-15.4	61.2	1.0	32.1	25.8	28.8	3.7
15.25	22.51	-63.3	-21.1	-14.6	66.5	1.0	32.1	25.7	28.8	3.6
15.50	22.62	-60.7	-18.4	-15.0	48.8	1.0	32.1	25.8	28.9	3.6
15.75	22.73	-58.5	-16.9	-16.0	37.3	1.0	32.2	25.6	28.6	3.6
16.00	23.02	-58.8	-15.2	-18.9	37.5	1.0	32.3	25.4	28.5	3.6
16.25	23.24	-56.5	-14.1	-21.1	28.2	1.0	32.1	25.3	28.3	3.6
16.50	23.60	-56.0	-13.0	-17.8	25.1	1.0	32.2	25.0	28.1	3.6
16.75	23.85	-56.8	-12.7	-15.2	26.1	1.0	31.9	25.1	28.1	3.6
17.00	24.24	-54.4	-12.2	-12.7	18.4	1.0	31.6	25.0	28.0	3.6
17.25	24.51	-51.7	-12.3	-11.8	12.9	1.0	31.4	25.1	27.9	3.6
17.50	24.84	-51.8	-12.6	-11.1	12.6	1.0	30.9	25.1	27.9	3.7
17.75	25.05	-52.4	-12.7	-11.4	13.3	1.0	31.0	25.2	28.2	3.7
18.00	25.29	-50.6	-13.3	-13.1	10.9	1.0	30.8	25.2	28.4	3.8
18.25	25.38	-50.7	-13.7	-16.0	11.2	1.0	30.8	25.4	29.1	3.8
18.50	25.30	-49.6	-13.5	-19.8	10.2	1.0	30.7	25.4	29.2	3.8
18.75	25.09	-50.7	-12.9	-17.9	11.7	1.0	30.6	25.1	28.3	3.9
19.00	24.49	-52.5	-12.2	-14.1	14.9	1.0	30.4	25.0	28.1	4.1
19.25	23.86	-51.5	-11.3	-11.4	13.5	1.0	30.7	24.9	27.9	4.3
19.50	22.52	-53.2	-10.5	-9.4	18.2	1.0	31.7	24.8	27.7	4.6
19.75	21.35	-54.4	-10.7	-9.1	23.8	0.9	31.2	24.4	27.0	4.9
20.00	19.14	-60.3	-11.9	-10.0	64.0	1.0	31.3	24.3	26.7	5.5

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +7 V, I_{DD} = 732 mA, Temperature = -55°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P _{OUT} = +12 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure				
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.00	12.35	-67.5	-7.6	-20.0	272.1	1.2	35.3	24.1	27.7	15.9
4.50	16.45	-70.3	-9.3	-24.2	252.5	1.1	34.4	24.9	28.5	13.2
5.00	19.75	-60.0	-10.4	-16.2	53.6	1.1	34.2	25.8	29.2	11.2
5.50	21.92	-64.4	-12.1	-13.9	70.2	1.0	33.3	26.3	29.6	9.3
6.00	23.26	-62.1	-14.0	-14.2	47.7	1.0	32.8	26.8	29.6	7.9
6.50	23.86	-59.0	-15.5	-15.7	31.9	1.0	32.5	27.3	29.9	6.9
7.00	23.80	-58.3	-16.3	-15.9	30.0	1.0	32.3	27.7	29.9	6.2
7.50	23.59	-57.3	-17.1	-16.3	27.9	1.0	32.2	28.2	30.0	5.8
8.00	23.29	-57.4	-17.3	-16.5	29.0	1.0	32.3	28.4	30.3	5.5
8.50	22.92	-60.5	-15.7	-13.8	42.5	1.0	31.9	28.6	30.5	5.4
9.00	22.65	-63.9	-14.0	-11.8	63.0	1.0	31.6	28.7	30.6	5.2
9.50	22.60	-75.9	-13.6	-12.1	254.6	1.0	31.7	28.5	30.3	5.0
10.00	22.64	-76.0	-14.3	-13.9	265.2	1.0	31.4	28.2	29.8	4.8
10.25	22.65	-65.2	-14.8	-14.4	76.6	1.0	31.5	28.0	29.5	4.7
10.50	22.65	-75.3	-15.5	-14.7	248.7	1.0	31.5	28.0	29.6	4.7
10.75	22.60	-65.7	-15.7	-14.4	82.7	1.0	31.6	28.2	29.8	4.6
11.00	22.48	-63.2	-15.3	-14.1	62.5	1.0	31.6	28.1	29.8	4.5
11.25	22.36	-61.6	-14.4	-14.1	52.3	1.0	31.5	28.1	29.9	4.5
11.50	22.17	-63.1	-13.0	-14.9	63.3	1.0	31.4	28.0	29.7	4.4
11.75	22.04	-60.9	-12.2	-15.7	49.8	1.0	31.4	27.9	29.7	4.5
12.00	21.85	-59.5	-11.4	-16.4	42.7	1.0	31.4	28.0	29.8	4.5
12.25	21.75	-60.4	-11.2	-16.2	48.1	1.0	31.4	27.9	29.7	4.4
12.50	21.62	-59.7	-11.3	-15.2	44.6	1.0	31.0	28.0	30.0	4.3
12.75	21.55	-59.7	-11.7	-14.6	45.5	1.0	31.0	28.0	30.1	4.4
13.00	21.48	-61.9	-12.7	-14.2	59.6	1.0	31.2	28.1	30.1	4.3
13.25	21.46	-59.9	-13.8	-14.7	48.6	1.0	31.0	28.0	30.0	4.2
13.50	21.48	-59.9	-15.6	-16.1	49.5	1.0	31.4	27.9	29.9	4.1
13.75	21.50	-60.0	-17.0	-17.9	50.9	1.0	31.4	28.0	30.1	4.0
14.00	21.51	-60.0	-19.3	-21.4	51.7	1.0	31.3	28.1	30.2	4.0
14.25	21.52	-60.4	-20.9	-23.0	54.7	1.0	31.3	28.1	30.5	3.9
14.50	21.54	-64.8	-23.4	-20.2	91.1	1.0	31.4	28.0	30.4	3.9
14.75	21.53	-63.1	-23.6	-17.9	74.1	1.0	31.4	28.0	30.4	3.9
15.00	21.54	-59.9	-22.4	-15.5	50.8	1.0	31.4	27.9	30.3	3.8
15.25	21.58	-59.5	-20.8	-14.6	47.8	1.0	31.4	27.8	30.4	3.8
15.50	21.71	-62.7	-18.2	-15.0	68.0	1.0	31.3	27.8	30.5	3.8
15.75	21.86	-59.5	-16.8	-16.0	46.4	1.0	31.4	27.7	30.3	3.8
16.00	22.18	-58.0	-15.1	-19.1	37.9	1.0	31.3	27.5	30.1	3.8
16.25	22.42	-58.4	-14.1	-21.5	38.4	1.0	31.1	27.4	30.0	3.8
16.50	22.81	-55.0	-13.0	-18.0	24.5	1.0	31.3	27.1	29.6	3.8
16.75	23.07	-56.3	-12.7	-15.2	27.0	1.0	31.0	27.1	29.6	3.8
17.00	23.45	-54.2	-12.3	-12.7	19.6	1.0	30.6	27.0	29.5	3.8
17.25	23.71	-54.5	-12.4	-11.8	19.5	1.0	30.5	27.1	29.5	3.9
17.50	24.00	-54.3	-12.5	-11.0	18.4	1.0	30.1	27.2	29.6	3.9
17.75	24.18	-51.0	-12.6	-11.4	12.5	1.0	30.0	27.5	29.8	4.0
18.00	24.37	-50.8	-13.4	-13.2	12.4	1.0	29.8	27.6	30.0	4.0
18.25	24.42	-50.5	-13.7	-16.1	12.2	1.0	29.6	28.0	30.6	4.0
18.50	24.27	-50.6	-13.4	-20.1	12.8	1.0	29.9	28.1	31.0	4.0
18.75	24.00	-50.9	-12.8	-18.0	13.6	1.0	29.6	27.7	30.3	4.1
19.00	23.29	-52.5	-12.0	-13.8	16.9	1.0	29.6	27.6	29.8	4.3
19.25	22.59	-53.4	-11.2	-11.1	19.3	1.0	29.6	27.6	29.4	4.5
19.50	21.16	-55.2	-10.5	-9.3	26.8	1.0	29.5	27.5	29.2	4.8
19.75	19.97	-56.4	-10.9	-9.1	35.5	0.9	29.5	27.1	28.6	5.1
20.00	17.80	-62.9	-11.9	-10.1	100.7	1.0	29.5	26.9	28.2	5.8

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +5 V, I_{DD} = 662 mA, Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P _{OUT} = +12 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure				
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.00	11.17	-65.0	-7.3	-23.5	224.7	1.2	35.1	21.4	24.8	17.9
4.50	15.07	-63.3	-9.2	-25.6	128.4	1.1	35.2	22.1	25.4	15.2
5.00	18.28	-64.8	-11.1	-17.2	109.3	1.1	34.7	22.8	26.0	13.2
5.50	20.31	-61.0	-13.3	-14.6	57.3	1.0	34.9	23.2	26.2	11.3
6.00	21.58	-60.0	-15.3	-14.8	45.3	1.0	34.7	23.5	26.0	9.8
6.50	22.13	-55.9	-16.7	-17.4	27.2	1.0	34.4	23.9	26.3	8.9
7.00	22.10	-58.7	-17.5	-18.1	38.3	1.0	34.5	24.3	26.5	8.2
7.50	21.92	-61.0	-18.3	-17.7	51.3	1.0	34.6	24.6	26.8	7.8
8.00	21.62	-60.9	-18.3	-16.2	52.7	1.0	34.7	24.7	27.0	7.5
8.50	21.35	-62.3	-16.8	-14.4	63.0	1.0	34.6	24.8	27.3	7.3
9.00	21.19	-64.4	-15.6	-13.7	80.8	1.0	34.7	24.9	27.6	7.1
9.50	21.13	-72.7	-15.1	-13.5	212.6	1.0	34.6	24.8	27.5	7.0
10.00	21.14	-67.3	-15.5	-13.6	115.1	1.0	34.8	24.4	27.3	6.7
10.25	21.14	-70.2	-15.8	-13.5	160.4	1.0	35.1	24.2	27.1	6.7
10.50	21.18	-69.0	-16.2	-14.0	141.3	1.0	35.1	24.1	27.1	6.6
10.75	21.19	-65.1	-16.4	-14.5	90.9	1.0	35.1	24.2	27.1	6.5
11.00	21.18	-61.5	-16.1	-15.6	60.3	1.0	35.3	24.1	27.0	6.4
11.25	21.11	-61.4	-15.5	-16.2	60.2	1.0	35.1	24.1	27.0	6.4
11.50	20.97	-59.1	-14.2	-16.3	46.8	1.0	35.2	23.9	26.9	6.3
11.75	20.85	-58.5	-13.3	-15.9	43.8	1.0	35.1	23.8	26.8	6.3
12.00	20.64	-59.5	-12.3	-15.0	49.8	1.0	35.1	23.9	26.8	6.3
12.25	20.55	-59.2	-11.9	-14.7	48.2	1.0	35.0	23.8	26.8	6.3
12.50	20.45	-58.7	-11.9	-14.9	46.4	1.0	34.5	23.9	27.0	6.3
12.75	20.42	-58.2	-12.3	-15.3	44.6	1.0	34.8	23.9	27.0	6.2
13.00	20.39	-59.0	-13.3	-16.6	50.0	1.0	34.6	24.0	27.0	6.2
13.25	20.36	-57.5	-14.1	-17.6	42.9	1.0	34.7	24.1	27.1	6.1
13.50	20.33	-61.1	-15.6	-18.5	66.3	1.0	34.7	24.2	27.1	6.0
13.75	20.30	-55.3	-16.5	-18.5	34.4	1.0	34.7	24.3	27.2	6.0
14.00	20.25	-60.1	-18.5	-17.8	60.5	1.0	34.5	24.4	27.2	6.0
14.25	20.22	-59.3	-19.9	-17.1	56.1	1.0	34.6	24.5	27.2	6.0
14.50	20.21	-60.2	-22.0	-16.4	62.6	1.0	34.4	24.5	27.1	5.9
14.75	20.21	-59.1	-22.2	-16.5	55.0	1.0	34.5	24.5	27.1	5.9
15.00	20.26	-59.2	-21.9	-17.2	55.6	1.0	34.6	24.5	27.0	5.8
15.25	20.32	-58.7	-21.1	-18.2	52.5	1.0	34.4	24.5	27.1	5.8
15.50	20.45	-60.9	-19.2	-20.1	67.4	1.0	34.4	24.5	27.1	5.8
15.75	20.54	-57.0	-17.6	-20.1	42.1	1.0	34.6	24.5	27.0	5.8
16.00	20.70	-55.2	-15.3	-17.4	33.4	1.0	34.3	24.3	26.9	5.9
16.25	20.84	-56.3	-14.0	-15.9	36.5	1.0	34.2	24.2	26.9	5.9
16.50	21.10	-55.9	-12.8	-14.5	33.2	1.0	34.0	24.0	26.7	6.0
16.75	21.33	-53.7	-12.6	-14.0	25.0	1.0	33.8	24.1	26.9	6.0
17.00	21.71	-52.7	-12.5	-13.8	21.4	1.0	33.6	24.1	27.0	6.0
17.25	21.94	-51.5	-12.8	-13.9	18.4	1.0	33.3	24.2	27.0	6.0
17.50	22.17	-50.6	-13.3	-14.4	16.3	1.0	33.2	24.2	27.0	6.1
17.75	22.26	-51.9	-13.5	-15.0	19.0	1.0	33.2	24.2	27.0	6.1
18.00	22.23	-49.9	-13.9	-15.3	15.4	1.0	33.0	24.2	27.1	6.2
18.25	22.11	-49.7	-13.9	-15.3	15.1	1.0	33.1	24.2	27.4	6.3
18.50	21.79	-50.4	-13.7	-14.8	17.0	1.0	32.9	24.0	27.2	6.4
18.75	21.47	-50.0	-13.4	-14.3	16.8	1.0	32.9	23.6	26.7	6.5
19.00	20.79	-52.1	-12.9	-13.8	22.8	1.0	33.0	23.4	26.3	6.8
19.25	20.15	-52.2	-12.6	-13.2	24.9	1.0	32.8	23.1	25.9	7.0
19.50	18.83	-56.6	-12.6	-13.6	48.4	1.0	33.5	22.9	25.5	7.5
19.75	17.62	-55.8	-13.0	-13.8	50.9	1.0	32.6	22.3	24.8	7.9
20.00	15.13	-61.2	-12.8	-12.9	126.3	1.0	32.7	22.0	24.4	8.7

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +6 V, I_{DD} = 668 mA, Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P _{OUT} = +12 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure				
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.00	10.45	-79.6	-7.3	-22.7	1315.5	1.2	36.3	22.8	26.1	18.1
4.50	14.37	-67.6	-9.2	-26.9	227.3	1.1	35.4	23.6	26.9	15.5
5.00	17.58	-63.9	-11.1	-17.2	106.5	1.1	35.0	24.4	27.6	13.3
5.50	19.55	-59.5	-13.2	-14.5	52.4	1.0	34.1	24.8	27.9	11.5
6.00	20.76	-59.6	-15.2	-14.6	47.3	1.0	33.8	25.2	27.8	10.2
6.50	21.25	-58.8	-16.6	-17.2	42.2	1.0	33.5	25.6	28.1	9.1
7.00	21.19	-57.0	-17.5	-18.1	34.9	1.0	33.4	26.0	28.2	8.5
7.50	20.97	-57.3	-18.2	-17.9	37.7	1.0	33.6	26.4	28.4	8.0
8.00	20.63	-59.2	-18.2	-16.4	48.4	1.0	33.7	26.5	28.6	7.7
8.50	20.32	-60.6	-16.8	-14.5	58.1	1.0	33.5	26.5	28.9	7.5
9.00	20.10	-60.5	-15.5	-13.7	58.7	1.0	33.3	26.5	29.0	7.3
9.50	19.98	-69.6	-15.1	-13.4	170.4	1.0	33.4	26.3	28.7	7.2
10.00	19.90	-81.5	-15.3	-13.4	674.3	1.0	33.3	25.8	28.3	6.9
10.25	19.87	-84.3	-15.7	-13.3	942.4	1.0	33.4	25.6	28.0	6.8
10.50	19.86	-64.3	-16.0	-13.7	94.8	1.0	33.6	25.5	28.0	6.7
10.75	19.84	-62.6	-16.2	-14.2	79.2	1.0	33.6	25.6	28.1	6.7
11.00	19.79	-66.6	-16.0	-15.2	127.3	1.0	33.7	25.5	28.0	6.6
11.25	19.70	-62.2	-15.4	-15.8	78.2	1.0	33.6	25.4	28.0	6.6
11.50	19.52	-61.2	-14.2	-15.9	70.2	1.0	33.6	25.3	27.8	6.4
11.75	19.38	-61.8	-13.3	-15.6	75.6	1.0	33.6	25.2	27.7	6.5
12.00	19.16	-57.4	-12.4	-14.7	46.4	1.0	33.6	25.2	27.8	6.5
12.25	19.07	-59.7	-12.1	-14.4	61.1	1.0	33.7	25.2	27.8	6.5
12.50	18.97	-58.9	-12.2	-14.6	56.2	1.0	33.5	25.3	27.9	6.5
12.75	18.94	-59.4	-12.6	-15.0	60.3	1.0	33.5	25.3	27.9	6.4
13.00	18.93	-61.0	-13.6	-16.4	75.0	1.0	33.3	25.3	28.0	6.3
13.25	18.91	-59.8	-14.5	-17.4	66.1	1.0	33.4	25.4	28.0	6.3
13.50	18.90	-59.1	-15.9	-18.5	62.6	1.0	33.4	25.5	28.0	6.2
13.75	18.89	-59.4	-16.8	-18.5	65.3	1.0	33.3	25.6	28.2	6.2
14.00	18.88	-60.9	-18.6	-17.9	78.4	1.0	33.3	25.7	28.3	6.2
14.25	18.88	-59.2	-19.8	-17.3	64.8	1.0	33.3	25.8	28.3	6.2
14.50	18.92	-61.1	-21.6	-16.7	80.0	1.0	33.4	25.7	28.3	6.1
14.75	18.95	-64.0	-21.8	-16.8	112.1	1.0	33.1	25.8	28.3	6.1
15.00	19.05	-59.3	-21.6	-17.5	64.8	1.0	33.3	25.7	28.3	6.0
15.25	19.15	-59.1	-20.8	-18.5	62.8	1.0	33.3	25.7	28.3	6.0
15.50	19.33	-59.9	-19.1	-20.4	67.9	1.0	33.2	25.8	28.3	6.0
15.75	19.46	-57.0	-17.6	-20.3	47.8	1.0	33.1	25.7	28.3	6.1
16.00	19.66	-55.9	-15.3	-17.5	40.7	1.0	33.0	25.6	28.2	6.1
16.25	19.83	-55.8	-14.0	-15.9	38.9	1.0	32.7	25.6	28.1	6.2
16.50	20.12	-55.2	-12.9	-14.5	34.2	1.0	33.0	25.3	27.9	6.2
16.75	20.36	-53.9	-12.7	-14.0	28.7	1.0	32.5	25.5	28.1	6.2
17.00	20.75	-55.0	-12.5	-13.9	31.1	1.0	32.2	25.5	28.1	6.2
17.25	20.98	-52.0	-12.8	-14.0	21.6	1.0	32.0	25.6	28.2	6.3
17.50	21.18	-52.1	-13.3	-14.6	21.8	1.0	31.9	25.6	28.3	6.3
17.75	21.25	-50.8	-13.5	-15.2	18.9	1.0	31.6	25.8	28.4	6.3
18.00	21.16	-50.8	-14.0	-15.5	19.2	1.0	31.7	25.8	28.5	6.4
18.25	20.99	-50.4	-13.9	-15.4	18.7	1.0	31.5	26.0	28.9	6.4
18.50	20.58	-50.7	-13.6	-14.7	20.2	1.0	31.5	25.9	28.8	6.6
18.75	20.19	-52.2	-13.2	-14.2	24.8	1.0	31.4	25.5	28.2	6.8
19.00	19.41	-52.7	-12.9	-13.7	28.9	1.0	31.3	25.3	27.9	7.0
19.25	18.72	-52.0	-12.6	-13.2	28.6	1.0	31.1	25.1	27.6	7.3
19.50	17.36	-54.7	-12.8	-13.8	46.1	1.0	31.1	24.9	27.3	7.7
19.75	16.15	-56.6	-13.1	-14.0	66.6	1.0	30.6	24.3	26.5	8.2
20.00	13.76	-59.2	-12.7	-13.2	117.5	1.0	30.6	24.1	26.2	9.0

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +7 V, I_{DD} = 675 mA, Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P _{OUT} = +12 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure				
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.00	9.76	-65.1	-7.3	-21.9	267.4	1.2	35.5	23.7	27.0	18.2
4.50	13.68	-64.5	-9.2	-27.9	172.3	1.1	35.1	24.6	28.0	15.6
5.00	16.89	-67.9	-11.1	-17.3	182.3	1.1	34.8	25.5	28.8	13.5
5.50	18.82	-61.2	-13.2	-14.4	69.4	1.0	34.1	26.1	29.2	11.7
6.00	19.98	-62.9	-15.2	-14.4	75.6	1.0	33.7	26.6	29.1	10.4
6.50	20.44	-58.8	-16.6	-16.9	46.0	1.0	33.5	27.0	29.4	9.3
7.00	20.35	-60.2	-17.4	-18.1	55.5	1.0	33.4	27.5	29.4	8.6
7.50	20.10	-56.6	-18.2	-18.0	38.1	1.0	33.6	27.8	29.6	8.2
8.00	19.74	-62.0	-18.2	-16.5	73.9	1.0	33.6	27.8	29.7	7.9
8.50	19.40	-61.1	-16.7	-14.5	68.4	1.0	33.4	27.7	29.9	7.7
9.00	19.13	-69.1	-15.5	-13.7	176.3	1.0	33.1	27.6	30.0	7.5
9.50	18.95	-70.7	-14.9	-13.4	217.5	1.0	33.2	27.2	29.5	7.3
10.00	18.82	-74.4	-15.2	-13.2	339.5	1.0	33.0	26.9	28.9	7.1
10.25	18.77	-62.2	-15.5	-13.2	83.9	1.0	33.1	26.6	28.5	7.0
10.50	18.72	-65.5	-15.9	-13.6	123.8	1.0	33.2	26.5	28.5	7.0
10.75	18.68	-64.8	-16.1	-14.0	115.6	1.0	33.3	26.6	28.6	6.9
11.00	18.59	-61.3	-15.9	-15.0	79.8	1.0	33.4	26.4	28.5	6.8
11.25	18.49	-63.8	-15.4	-15.5	106.9	1.0	33.2	26.4	28.5	6.8
11.50	18.30	-62.2	-14.2	-15.6	90.9	1.0	33.3	26.2	28.3	6.8
11.75	18.15	-61.0	-13.4	-15.3	80.1	1.0	33.2	26.1	28.3	6.7
12.00	17.92	-61.2	-12.5	-14.4	82.6	1.0	33.3	26.2	28.3	6.7
12.25	17.82	-60.0	-12.2	-14.2	72.3	1.0	33.3	26.1	28.3	6.7
12.50	17.73	-61.8	-12.3	-14.4	91.3	1.0	33.1	26.3	28.5	6.7
12.75	17.71	-62.5	-12.8	-14.9	99.5	1.0	33.1	26.3	28.5	6.6
13.00	17.71	-59.2	-13.8	-16.3	69.7	1.0	33.1	26.3	28.6	6.5
13.25	17.70	-61.0	-14.7	-17.3	87.5	1.0	33.1	26.4	28.6	6.5
13.50	17.71	-60.6	-16.0	-18.4	85.1	1.0	33.1	26.4	28.6	6.5
13.75	17.71	-59.4	-16.9	-18.5	75.0	1.0	33.1	26.6	28.8	6.5
14.00	17.72	-60.1	-18.6	-18.0	81.3	1.0	33.1	26.6	28.9	6.4
14.25	17.74	-60.8	-19.7	-17.4	88.4	1.0	33.1	26.7	29.1	6.4
14.50	17.81	-61.3	-21.3	-16.9	93.4	1.0	33.1	26.7	29.0	6.4
14.75	17.87	-59.4	-21.4	-17.0	74.6	1.0	33.0	26.7	29.1	6.4
15.00	18.01	-60.7	-21.3	-17.7	86.0	1.0	33.2	26.6	29.1	6.3
15.25	18.13	-58.7	-20.7	-18.7	67.5	1.0	33.0	26.7	29.2	6.3
15.50	18.35	-58.8	-19.0	-20.6	67.5	1.0	32.8	26.7	29.3	6.3
15.75	18.50	-58.7	-17.6	-20.4	65.1	1.0	32.9	26.7	29.2	6.3
16.00	18.74	-58.4	-15.3	-17.6	60.0	1.0	32.8	26.6	29.1	6.3
16.25	18.92	-55.6	-14.1	-16.0	42.3	1.0	32.6	26.6	29.1	6.4
16.50	19.24	-53.7	-12.9	-14.6	31.9	1.0	32.3	26.4	28.9	6.4
16.75	19.48	-54.1	-12.7	-14.0	32.3	1.0	32.1	26.6	29.1	6.4
17.00	19.87	-54.4	-12.5	-13.9	32.2	1.0	31.7	26.6	29.1	6.5
17.25	20.09	-52.7	-12.8	-14.1	26.0	1.0	31.6	26.9	29.3	6.5
17.50	20.27	-51.9	-13.3	-14.7	23.7	1.0	31.4	27.1	29.4	6.6
17.75	20.31	-51.8	-13.5	-15.3	23.4	1.0	31.4	27.4	29.6	6.6
18.00	20.17	-51.0	-14.0	-15.6	22.0	1.0	31.3	27.6	29.7	6.6
18.25	19.97	-50.7	-13.8	-15.5	21.7	1.0	31.2	27.8	30.2	6.7
18.50	19.50	-50.8	-13.5	-14.7	23.2	1.0	31.0	27.7	30.3	6.9
18.75	19.07	-50.0	-13.0	-14.1	21.9	1.0	31.0	27.4	29.7	7.0
19.00	18.24	-51.9	-12.8	-13.6	29.9	1.0	31.0	27.3	29.4	7.2
19.25	17.52	-52.4	-12.6	-13.3	34.5	1.0	30.9	27.1	29.0	7.5
19.50	16.14	-54.9	-12.8	-14.0	54.3	1.0	30.6	26.9	28.7	8.0
19.75	14.95	-58.3	-13.1	-14.2	93.7	1.0	30.5	26.2	27.9	8.5
20.00	12.65	-64.4	-12.7	-13.4	244.1	1.0	30.5	25.9	27.5	9.3