

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} = 80 mA, V_C = Open @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Output IP-3 @ P _{OUT} = 0 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)	(dBm)	(dB)
0.3	17.3	44.1	6.4	11.6	28.4	16.3	19.1	2.9
0.4	16.9	42.5	7.9	14.3	28.0	16.1	19.0	2.5
0.5	17.3	42.7	9.0	16.2	27.8	16.4	19.4	2.2
0.6	17.1	41.7	9.9	18.1	28.6	16.3	19.2	3.8
0.7	17.1	41.4	10.6	20.2	28.7	16.4	19.4	2.0
0.8	17.2	41.3	11.0	22.0	28.5	16.5	19.5	1.9
0.9	17.2	40.9	11.3	23.8	29.0	16.6	19.6	1.8
1.0	17.2	40.6	11.5	24.7	28.9	16.7	19.8	1.8
1.5	17.3	40.6	11.9	19.9	29.5	17.0	20.1	1.7
2.0	17.2	40.3	11.7	17.9	29.6	17.2	20.5	1.6
2.5	17.2	40.2	11.5	15.9	29.9	17.6	20.7	1.5
3.0	16.9	39.8	11.2	15.7	30.1	17.6	20.6	1.6
3.5	16.2	39.8	11.0	13.2	29.7	17.1	20.1	1.5
4.0	15.8	40.2	11.0	11.8	29.5	16.8	20.0	1.5
4.5	15.7	40.4	11.4	11.6	29.7	16.8	19.7	1.4
5.0	15.5	41.0	11.7	11.7	29.4	16.8	19.9	1.4
5.5	15.4	41.5	12.1	12.0	29.2	16.9	19.9	1.3
6.0	15.4	41.8	12.7	12.2	29.1	16.9	20.2	1.5
6.5	15.4	42.5	13.3	12.5	29.4	16.7	19.6	1.3
7.0	15.4	43.0	13.4	12.7	29.0	16.7	19.6	1.3
7.5	15.5	43.5	13.5	12.6	28.7	16.7	19.8	1.5
8.0	15.6	44.0	14.2	12.5	28.5	16.6	19.6	1.3
8.5	15.7	43.6	16.4	12.4	28.0	16.1	19.0	1.3
9.0	15.8	43.6	22.2	12.4	28.1	15.9	18.7	1.2
9.5	15.8	42.8	31.8	12.4	28.4	16.1	19.0	1.4
10.0	15.7	42.4	18.4	12.1	28.8	16.2	19.0	1.3
10.5	15.5	42.3	13.2	11.5	28.6	15.8	18.7	1.5
11.0	15.2	42.5	10.6	10.8	28.3	15.5	18.3	1.3
11.5	14.9	42.7	9.1	10.5	28.4	15.4	18.4	1.4
12.0	14.8	42.7	8.6	10.5	29.1	15.6	18.6	1.6
12.5	14.8	42.9	8.8	10.9	28.9	15.8	18.9	1.6
13.0	14.9	43.1	9.3	11.4	28.8	15.7	19.1	1.6
13.5	15.1	43.2	9.8	11.9	28.9	15.9	19.3	1.6
14.0	15.4	40.8	11.0	13.0	29.0	16.0	19.4	1.6
14.5	15.6	39.8	13.9	14.7	28.5	16.0	19.3	1.6
15.0	15.6	40.2	17.1	17.2	29.2	15.8	19.1	1.5
15.5	15.6	40.3	20.5	20.1	28.7	15.7	19.0	1.6
16.0	15.5	40.3	22.0	21.9	27.9	15.8	19.1	1.6
16.5	15.5	40.1	21.4	21.8	28.2	15.6	18.7	1.7
17.0	15.4	39.9	20.4	20.7	28.1	15.2	18.0	1.8
17.5	15.3	39.7	18.8	19.2	28.0	15.2	17.9	1.8
18.0	15.2	39.6	16.6	17.4	28.4	15.2	17.7	1.8
18.5	15.2	39.2	14.4	15.1	27.9	14.9	17.7	1.9
19.0	15.1	38.8	12.4	13.0	27.4	14.7	17.9	1.9
19.5	15.0	38.5	10.9	11.7	27.6	14.6	18.2	2.0
20.0	15.0	37.9	10.4	10.9	27.2	14.7	18.6	2.2
20.5	15.0	37.4	10.9	11.0	26.8	15.0	19.1	2.1
21.0	15.1	36.8	12.6	11.8	26.6	15.0	19.3	2.1
21.5	15.2	36.1	15.1	13.6	26.7	15.0	19.5	2.1
22.0	15.2	35.3	17.3	15.8	26.5	15.1	19.8	2.2
22.5	15.2	34.7	18.4	18.2	26.3	15.1	19.9	2.3
23.0	15.1	34.3	18.5	20.6	26.0	14.9	19.8	2.3
23.5	14.9	34.1	17.4	21.9	25.9	14.7	19.6	2.4
24.0	14.7	34.0	16.3	21.4	25.5	14.7	19.9	2.5
24.5	14.6	33.8	15.1	19.4	25.2	14.5	19.8	2.6
25.0	14.6	33.6	14.7	16.9	24.7	14.6	19.6	2.7
25.5	14.7	33.3	15.8	15.4	24.6	14.5	19.6	2.8
26.0	14.6	33.1	18.6	15.2	24.4	14.4	19.5	2.8
26.5	14.4	32.7	18.7	16.1	24.0	14.5	19.6	2.8

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} = +5 V, I_{DD} = 80 mA, V_C = Open @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Output IP-3 @ P _{OUT} = 0 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)	(dBm)	(dB)
0.3	16.8	44.1	6.4	11.7	28.4	16.5	18.9	3.4
0.4	16.4	42.6	7.9	14.4	28.0	16.3	18.9	3.0
0.5	16.7	42.9	8.9	16.1	27.7	16.6	19.2	2.8
0.6	16.6	41.8	9.8	17.9	28.6	16.6	19.1	3.6
0.7	16.6	41.6	10.4	20.1	28.7	16.7	19.3	2.5
0.8	16.6	41.3	10.8	22.0	28.4	16.8	19.3	2.3
0.9	16.7	41.2	11.1	23.8	29.1	16.9	19.4	2.2
1.0	16.7	41.1	11.4	24.9	28.9	17.0	19.5	2.3
1.5	16.7	40.9	11.9	21.0	29.4	17.2	19.7	2.2
2.0	16.6	40.7	11.8	18.4	29.6	17.4	19.9	2.1
2.5	16.6	40.5	11.6	16.9	29.9	17.8	20.3	2.0
3.0	16.3	40.1	11.5	16.8	30.1	17.8	20.2	2.1
3.5	15.5	40.2	11.7	14.0	29.6	17.2	19.7	2.0
4.0	15.1	40.5	11.9	12.4	29.3	17.0	19.4	2.0
4.5	14.9	40.9	12.1	12.0	29.4	17.0	19.5	1.9
5.0	14.8	41.4	12.4	12.0	29.5	17.0	19.7	1.9
5.5	14.6	41.9	12.7	12.1	29.3	17.1	19.6	1.9
6.0	14.6	42.5	13.1	12.3	28.8	17.1	19.4	2.0
6.5	14.6	43.0	13.3	12.5	29.5	16.9	19.5	1.9
7.0	14.6	43.5	13.2	12.6	28.8	16.8	19.2	1.9
7.5	14.6	44.0	13.2	12.7	28.3	16.9	19.3	2.0
8.0	14.7	44.0	13.8	12.7	28.1	16.7	19.1	1.9
8.5	14.8	43.8	15.5	12.7	27.9	16.2	18.7	1.8
9.0	14.8	43.3	19.7	12.6	27.7	16.0	18.6	1.8
9.5	14.9	42.7	30.8	12.5	28.0	16.2	18.8	2.0
10.0	14.8	42.3	21.2	12.0	28.5	16.3	18.6	1.9
10.5	14.6	42.0	14.8	11.4	28.1	15.9	18.2	2.1
11.0	14.3	42.0	11.7	11.0	27.9	15.6	18.2	2.0
11.5	14.0	42.0	10.1	10.8	28.2	15.5	18.4	2.0
12.0	13.9	42.2	9.5	10.8	28.9	15.8	18.4	2.2
12.5	13.8	42.5	9.5	11.1	28.7	15.9	18.8	2.3
13.0	13.9	42.7	9.8	11.5	28.4	15.9	19.1	2.2
13.5	14.1	42.6	10.4	11.9	28.4	16.0	18.9	2.4
14.0	14.4	40.1	11.9	13.2	28.8	16.1	18.9	2.2
14.5	14.5	39.3	14.6	15.1	28.2	16.0	19.1	2.3
15.0	14.5	39.6	18.1	17.6	28.6	15.8	19.0	2.3
15.5	14.4	39.8	22.1	20.5	28.4	15.7	18.9	2.3
16.0	14.4	39.9	23.6	22.9	27.9	15.8	19.0	2.4
16.5	14.3	39.7	23.0	23.3	27.7	15.5	18.7	2.5
17.0	14.3	39.6	22.4	21.8	27.5	15.1	18.2	2.6
17.5	14.2	39.4	21.7	19.9	27.8	15.1	18.0	2.7
18.0	14.0	39.2	19.1	17.5	27.7	15.1	17.7	2.7
18.5	13.9	38.9	15.7	14.7	27.4	14.8	17.4	2.8
19.0	13.8	38.6	13.1	12.7	27.2	14.6	17.7	2.7
19.5	13.7	38.2	11.5	11.7	27.1	14.5	18.0	2.9
20.0	13.6	37.7	10.9	11.0	26.7	14.6	18.1	3.1
20.5	13.7	37.3	11.5	11.2	26.5	14.9	18.3	3.1
21.0	13.8	36.7	12.9	12.4	26.1	14.9	18.8	3.0
21.5	13.8	36.0	15.0	14.4	26.1	14.9	19.0	3.0
22.0	13.9	35.3	17.4	16.7	25.9	15.0	19.1	3.2
22.5	13.9	34.8	19.1	19.9	25.8	14.9	19.2	3.3
23.0	13.8	34.4	20.0	23.5	25.5	14.8	19.2	3.3
23.5	13.6	34.3	19.4	24.2	25.3	14.5	18.9	3.4
24.0	13.4	34.2	17.8	22.6	24.9	14.5	19.3	3.5
24.5	13.4	34.0	16.4	19.7	24.4	14.3	19.3	3.7
25.0	13.3	33.8	15.9	16.6	24.3	14.4	19.2	3.8
25.5	13.3	33.5	16.8	15.0	23.9	14.3	19.1	3.9
26.0	13.2	33.2	18.7	14.7	23.9	14.3	19.0	4.0
26.5	13.1	32.9	18.8	15.2	23.5	14.4	19.1	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} = 80 mA, V_C = Open @ Temperature = +105°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Output IP-3 @ P _{OUT} = 0 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)	(dBm)	(dB)
0.3	16.3	43.4	6.4	11.8	28.0	16.7	19.5	4.1
0.4	16.0	42.1	7.8	14.5	27.7	16.6	19.4	3.6
0.5	16.2	41.9	8.8	16.1	27.4	16.8	19.7	3.4
0.6	16.1	41.1	9.6	17.8	28.1	16.7	19.5	3.9
0.7	16.1	40.8	10.2	19.6	28.1	16.7	19.6	3.1
0.8	16.1	40.8	10.5	21.0	28.0	16.9	19.7	3.0
0.9	16.1	40.6	10.8	22.3	28.4	16.9	19.8	2.8
1.0	16.1	40.4	11.0	22.9	28.4	17.0	20.0	2.9
1.5	16.1	40.1	11.5	19.6	28.8	17.2	20.1	2.8
2.0	15.9	39.9	11.5	17.8	29.1	17.4	20.4	2.7
2.5	15.9	39.6	11.2	17.0	29.3	17.7	20.5	2.6
3.0	15.6	39.2	11.0	17.0	29.4	17.6	20.4	2.7
3.5	14.8	39.5	11.0	14.4	29.0	17.1	19.8	2.6
4.0	14.4	39.7	11.3	12.9	28.7	16.9	19.8	2.6
4.5	14.2	40.0	11.6	12.6	29.0	16.8	19.6	2.6
5.0	14.1	40.4	12.2	12.8	28.6	16.9	19.7	2.6
5.5	14.0	41.0	12.8	12.9	28.6	16.9	19.6	2.6
6.0	13.9	41.3	13.3	12.9	28.3	17.0	19.8	2.6
6.5	13.9	41.9	13.5	12.9	28.7	16.7	19.3	2.6
7.0	13.9	42.3	13.2	13.0	28.4	16.6	19.2	2.5
7.5	13.9	42.5	13.3	13.1	28.0	16.7	19.4	2.7
8.0	14.0	42.6	14.2	13.2	27.8	16.5	19.3	2.6
8.5	14.0	42.4	16.5	13.2	27.4	16.0	18.8	2.5
9.0	14.1	41.8	22.4	13.1	27.4	15.8	18.6	2.5
9.5	14.1	41.4	30.8	12.8	27.8	16.0	18.8	2.7
10.0	13.9	41.1	18.1	12.2	28.1	16.2	18.9	2.6
10.5	13.7	40.9	13.3	11.6	28.0	15.8	18.6	2.9
11.0	13.4	40.9	11.0	11.2	27.7	15.5	18.3	2.7
11.5	13.2	41.0	9.8	11.0	27.7	15.4	18.4	2.8
12.0	13.0	41.0	9.5	11.3	28.3	15.7	18.7	3.0
12.5	13.0	41.2	9.7	11.6	28.2	15.8	18.8	3.0
13.0	13.1	41.3	10.2	12.1	28.0	15.7	18.7	3.1
13.5	13.3	41.3	10.8	12.6	28.1	15.8	18.8	3.1
14.0	13.5	39.3	12.2	14.0	28.1	15.8	18.9	3.1
14.5	13.5	38.6	14.9	15.7	27.7	15.7	18.8	3.2
15.0	13.5	38.8	17.8	18.1	28.0	15.5	18.5	3.2
15.5	13.4	38.9	20.9	20.8	28.0	15.3	18.3	3.2
16.0	13.3	38.9	22.0	23.3	27.2	15.5	18.4	3.4
16.5	13.2	38.8	21.4	24.5	27.4	15.2	18.1	3.4
17.0	13.1	38.5	21.5	23.8	27.4	14.8	17.8	3.5
17.5	13.0	38.4	20.4	21.1	27.2	14.8	17.8	3.7
18.0	12.9	38.2	17.9	18.3	27.4	14.8	18.0	3.7
18.5	12.8	37.8	15.7	15.4	26.9	14.6	18.1	3.8
19.0	12.7	37.6	13.9	13.4	26.4	14.4	18.0	3.8
19.5	12.6	37.0	12.5	12.3	26.7	14.3	18.2	3.9
20.0	12.6	36.7	11.9	11.8	26.4	14.4	18.3	4.2
20.5	12.6	36.2	12.4	12.2	26.0	14.6	18.6	4.1
21.0	12.6	35.8	14.3	13.3	25.9	14.6	18.7	4.1
21.5	12.7	35.1	16.9	15.3	25.8	14.6	18.8	4.2
22.0	12.6	34.4	19.2	17.8	25.6	14.5	19.0	4.3
22.5	12.5	34.1	20.2	20.5	25.6	14.5	18.9	4.4
23.0	12.4	33.7	19.9	24.0	25.4	14.4	18.8	4.5
23.5	12.1	33.6	18.7	24.6	25.2	14.1	18.5	4.6
24.0	12.0	33.6	18.4	22.8	24.5	14.1	18.7	4.8
24.5	11.9	33.5	17.6	19.5	24.3	13.9	18.6	5.0
25.0	11.8	33.2	17.3	17.1	24.0	14.0	18.5	5.1
25.5	11.8	33.1	18.3	15.8	23.8	13.8	18.5	5.2
26.0	11.6	32.8	19.7	15.8	23.6	13.8	18.4	5.3
26.5	11.4	32.5	18.2	17.3	23.2	13.8	18.3	5.3

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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} = 23 mA, V_C = -0.7 V @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Output IP-3 @ P _{OUT} = -9 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)	(dBm)	(dB)
0.3	14.6	42.4	6.1	12.2	5.9	-2.2	0.8	5.8
0.4	14.3	41.3	7.2	15.1	5.7	-2.7	0.2	5.2
0.5	14.6	41.6	8.0	16.9	5.9	-2.5	0.4	4.8
0.6	14.4	40.6	8.6	18.9	5.6	-2.8	0.2	5.6
0.7	14.4	40.3	9.1	21.4	5.5	-2.9	0.1	4.0
0.8	14.4	40.1	9.3	23.7	5.7	-2.8	0.1	3.5
0.9	14.5	40.0	9.5	25.9	5.6	-2.7	0.2	3.4
1.0	14.5	39.8	9.7	26.9	5.7	-2.7	0.2	3.3
1.5	14.4	39.5	10.1	21.2	5.7	-2.6	0.3	3.0
2.0	14.3	39.1	10.1	18.3	6.1	-2.5	0.4	2.8
2.5	14.2	38.6	10.0	16.7	5.9	-2.3	0.6	2.9
3.0	13.9	38.2	10.0	16.8	5.9	-2.5	0.5	3.1
3.5	13.0	38.1	10.2	14.1	5.0	-3.2	0.0	3.1
4.0	12.6	38.4	10.4	12.4	5.0	-3.7	-0.2	3.2
4.5	12.3	38.6	10.6	11.9	5.0	-4.0	-0.2	3.1
5.0	12.1	39.0	10.9	11.9	4.9	-4.1	-0.2	3.5
5.5	11.9	39.4	11.1	12.1	4.7	-4.2	-0.3	3.5
6.0	11.8	39.9	11.4	12.4	4.9	-4.2	-0.3	4.1
6.5	11.7	40.3	11.4	12.6	4.5	-4.3	-0.4	3.7
7.0	11.7	40.7	11.2	12.8	4.4	-4.4	-0.6	3.7
7.5	11.7	40.8	11.1	13.0	4.3	-4.5	-0.6	3.7
8.0	11.8	40.6	11.4	13.2	4.5	-4.5	-0.6	3.7
8.5	11.9	40.2	12.6	13.2	4.0	-4.5	-0.6	3.6
9.0	12.0	39.5	15.5	13.1	4.3	-4.5	-0.6	3.6
9.5	12.1	38.8	22.8	12.9	4.4	-4.3	-0.5	3.6
10.0	12.0	38.2	27.1	12.2	4.4	-4.2	-0.3	3.6
10.5	11.8	37.8	16.4	11.5	4.5	-4.1	0.0	3.9
11.0	11.6	37.7	12.2	11.0	4.5	-4.0	0.9	3.8
11.5	11.3	37.6	10.1	10.8	5.0	-3.9	1.1	4.0
12.0	11.1	37.6	9.3	10.8	5.0	-3.9	2.1	4.4
12.5	10.9	37.6	9.1	11.1	5.0	-4.0	2.9	4.5
13.0	11.0	37.6	9.3	11.6	5.0	-4.1	3.6	4.4
13.5	11.1	37.4	9.8	12.2	5.0	-4.0	4.2	4.5
14.0	11.4	35.8	11.1	13.6	4.9	-4.0	4.6	4.4
14.5	11.5	35.1	13.3	15.6	5.0	-4.0	5.2	4.3
15.0	11.5	35.1	16.9	18.2	5.1	-4.0	5.2	4.4
15.5	11.4	35.2	23.2	21.4	5.0	-4.0	5.6	4.5
16.0	11.3	35.1	34.6	24.3	4.7	-3.9	6.4	4.7
16.5	11.3	34.8	27.9	24.9	4.8	-3.9	5.8	4.7
17.0	11.2	34.6	24.2	23.3	5.0	-3.9	5.6	4.8
17.5	11.1	34.5	24.5	20.9	5.1	-3.7	5.6	5.0
18.0	10.9	34.2	22.3	17.8	4.9	-3.7	5.5	5.2
18.5	10.8	34.0	17.7	14.7	4.7	-3.7	5.3	5.3
19.0	10.6	33.7	14.1	12.5	4.8	-3.8	4.6	5.3
19.5	10.4	33.4	11.9	11.4	4.5	-3.9	6.4	5.5
20.0	10.3	33.1	11.0	10.8	4.6	-3.9	6.3	5.6
20.5	10.4	32.7	11.4	11.0	4.9	-3.9	4.6	5.9
21.0	10.5	32.2	12.9	12.3	5.0	-3.8	4.6	5.9
21.5	10.6	31.7	15.4	14.3	5.0	-3.7	4.6	5.7
22.0	10.6	31.1	19.0	16.6	5.1	-3.5	5.2	5.7
22.5	10.5	30.7	22.5	19.8	5.1	-3.6	4.3	5.8
23.0	10.4	30.4	24.4	23.0	5.2	-3.5	2.0	6.1
23.5	10.2	30.3	23.5	23.7	5.1	-3.4	3.6	6.1
24.0	10.1	30.3	20.8	22.1	5.1	-3.5	2.7	6.2
24.5	9.9	30.1	18.1	18.9	5.0	-3.7	3.5	6.4
25.0	9.8	30.0	16.4	16.0	5.0	-3.7	2.0	6.4
25.5	9.8	29.8	15.8	14.6	5.0	-3.7	2.0	6.9
26.0	9.6	29.5	16.2	14.4	5.0	-3.7	0.9	7.3
26.5	9.6	29.2	16.4	15.0	5.0	-3.7	1.3	7.1

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} = 51 mA, V_C = +1 V @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Output IP-3 @ P _{OUT} = -9 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)	(dBm)	(dB)
0.3	16.0	43.5	6.2	11.7	24.9	14.4	17.3	4.1
0.4	15.6	42.1	7.6	14.6	24.3	14.0	17.2	3.6
0.5	15.9	42.4	8.5	16.3	23.7	14.2	17.5	3.3
0.6	15.8	41.3	9.2	18.2	24.7	14.2	17.3	4.8
0.7	15.8	41.0	9.8	20.5	24.7	14.1	17.5	2.9
0.8	15.8	40.7	10.1	22.5	24.5	14.3	17.5	2.6
0.9	15.8	40.6	10.4	24.6	25.1	14.3	17.6	2.6
1.0	15.9	40.5	10.6	25.7	24.7	14.4	17.7	2.5
1.5	15.8	40.2	11.0	21.2	25.3	14.6	17.9	2.3
2.0	15.7	39.9	11.0	18.4	25.6	14.9	18.1	2.1
2.5	15.7	39.6	10.9	16.9	25.6	15.1	18.4	2.1
3.0	15.3	39.3	10.9	16.8	25.9	15.1	18.3	2.2
3.5	14.6	39.3	11.0	14.1	24.7	14.5	17.8	2.1
4.0	14.1	39.5	11.2	12.4	24.8	14.3	17.6	2.1
4.5	13.9	39.8	11.4	12.0	25.0	14.2	17.7	2.0
5.0	13.7	40.2	11.7	11.9	24.7	14.3	17.7	2.1
5.5	13.6	40.7	12.0	12.1	24.6	14.2	17.7	2.2
6.0	13.5	41.2	12.2	12.3	25.2	14.3	17.6	2.3
6.5	13.5	41.7	12.3	12.5	24.4	14.2	17.6	2.1
7.0	13.4	42.2	12.1	12.7	24.4	14.1	17.4	2.0
7.5	13.5	42.5	12.0	12.8	24.1	14.0	17.5	2.0
8.0	13.5	42.5	12.4	12.9	24.2	13.9	17.3	2.0
8.5	13.6	42.1	13.8	12.9	23.5	13.7	17.0	1.9
9.0	13.7	41.5	17.2	12.8	23.7	13.6	16.9	1.9
9.5	13.8	40.8	27.3	12.7	23.9	13.7	17.2	1.9
10.0	13.7	40.4	25.3	12.1	23.7	13.5	17.0	1.9
10.5	13.5	40.0	15.8	11.5	23.8	13.4	16.6	2.0
11.0	13.3	39.9	12.0	11.0	23.7	13.4	16.7	2.1
11.5	13.0	39.9	10.1	10.8	24.3	13.6	16.9	2.1
12.0	12.8	39.9	9.4	10.8	24.2	13.5	16.9	2.3
12.5	12.7	40.1	9.3	11.1	24.3	13.5	17.3	2.3
13.0	12.8	40.2	9.6	11.5	24.3	13.6	17.5	2.3
13.5	13.0	40.0	10.1	12.1	24.5	13.7	17.3	2.4
14.0	13.2	38.1	11.5	13.3	24.7	13.7	17.4	2.4
14.5	13.4	37.2	14.0	15.3	23.7	13.7	17.5	2.4
15.0	13.4	37.5	17.8	17.8	23.7	13.7	17.4	2.4
15.5	13.3	37.6	23.8	20.8	25.3	13.6	17.3	2.4
16.0	13.3	37.6	28.7	23.4	23.3	13.4	17.4	2.5
16.5	13.2	37.3	25.5	23.9	23.0	13.2	17.1	2.5
17.0	13.2	37.1	23.6	22.3	23.2	13.0	16.7	2.6
17.5	13.0	37.0	23.1	20.3	23.5	12.8	16.5	2.7
18.0	12.9	36.7	20.7	17.7	23.1	12.5	16.1	2.8
18.5	12.8	36.4	16.7	14.7	22.2	12.2	15.9	2.8
19.0	12.6	36.2	13.6	12.6	22.4	12.1	16.2	2.9
19.5	12.5	35.8	11.7	11.6	21.9	12.1	16.5	3.0
20.0	12.4	35.4	10.9	10.9	22.1	12.0	16.7	3.1
20.5	12.5	35.0	11.5	11.1	21.8	12.1	16.9	3.2
21.0	12.6	34.4	13.0	12.4	21.8	12.1	17.3	3.3
21.5	12.7	33.8	15.4	14.3	21.9	12.2	17.5	3.2
22.0	12.7	33.2	18.6	16.6	22.1	12.0	17.7	3.2
22.5	12.7	32.7	21.1	19.8	21.9	12.0	17.8	3.3
23.0	12.6	32.4	22.0	23.2	21.8	12.0	17.8	3.4
23.5	12.4	32.3	21.2	24.0	21.2	11.8	17.6	3.4
24.0	12.3	32.2	19.1	22.5	21.2	11.6	17.8	3.4
24.5	12.2	32.1	17.1	19.4	20.7	11.4	17.8	3.6
25.0	12.1	31.8	16.0	16.3	20.6	11.4	17.8	3.7
25.5	12.1	31.6	16.1	14.8	20.7	11.3	17.6	3.8
26.0	12.0	31.3	17.4	14.6	20.5	11.2	17.6	4.1
26.5	11.9	31.0	17.8	15.1	20.2	11.0	17.7	4.1

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} = 82 mA, V_C = +2 V @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Output IP-3 @ P _{OUT} = -9 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)	(dBm)	(dB)
0.3	16.8	44.2	6.4	11.6	25.9	15.5	18.9	3.9
0.4	16.4	42.7	7.9	14.4	25.9	15.2	18.9	3.5
0.5	16.7	43.0	8.9	16.1	25.5	15.4	19.2	3.2
0.6	16.6	41.8	9.7	17.9	26.3	15.4	19.1	4.9
0.7	16.6	41.5	10.4	20.1	26.2	15.5	19.2	2.8
0.8	16.6	41.3	10.8	22.0	26.2	15.6	19.3	2.5
0.9	16.6	41.2	11.1	23.9	26.5	15.7	19.4	2.5
1.0	16.7	41.1	11.3	24.9	26.4	15.8	19.4	2.4
1.5	16.6	40.8	11.8	21.0	26.8	16.0	19.7	2.3
2.0	16.6	40.7	11.7	18.4	27.3	16.4	19.9	2.1
2.5	16.5	40.4	11.6	16.9	27.3	16.6	20.3	2.1
3.0	16.2	40.1	11.5	16.8	27.4	16.6	20.2	2.2
3.5	15.5	40.1	11.6	14.0	26.7	16.1	19.7	2.1
4.0	15.1	40.5	11.8	12.4	26.9	15.9	19.4	2.1
4.5	14.9	40.9	12.0	12.0	26.9	15.8	19.5	2.0
5.0	14.7	41.3	12.3	11.9	27.1	15.9	19.6	2.1
5.5	14.6	41.9	12.7	12.1	26.9	15.9	19.6	2.1
6.0	14.5	42.4	13.0	12.3	27.4	16.0	19.4	2.2
6.5	14.5	42.9	13.2	12.5	26.7	15.8	19.4	2.0
7.0	14.5	43.5	13.1	12.6	26.8	15.7	19.2	1.9
7.5	14.6	43.9	13.1	12.7	26.1	15.6	19.3	1.9
8.0	14.6	43.9	13.6	12.7	26.3	15.5	19.1	1.9
8.5	14.7	43.7	15.3	12.7	25.7	15.1	18.7	1.8
9.0	14.8	43.2	19.5	12.7	25.6	15.0	18.5	1.9
9.5	14.8	42.6	31.0	12.5	25.8	15.1	18.8	1.9
10.0	14.7	42.2	21.4	12.0	25.7	15.0	18.6	1.9
10.5	14.5	41.9	14.9	11.4	25.6	14.7	18.2	2.0
11.0	14.2	41.9	11.7	11.0	25.5	14.8	18.2	2.0
11.5	14.0	41.9	10.1	10.8	26.4	15.1	18.4	2.1
12.0	13.8	42.1	9.5	10.8	26.2	14.9	18.4	2.2
12.5	13.7	42.3	9.5	11.1	26.4	14.9	18.8	2.3
13.0	13.8	42.6	9.8	11.5	26.3	15.1	19.1	2.3
13.5	14.0	42.4	10.4	11.9	26.5	15.1	18.9	2.3
14.0	14.3	40.0	11.8	13.2	27.2	15.1	18.9	2.3
14.5	14.5	39.1	14.6	15.1	25.0	15.1	19.1	2.3
15.0	14.5	39.5	18.1	17.6	25.8	15.1	19.0	2.4
15.5	14.4	39.7	22.3	20.5	27.8	14.9	18.9	2.4
16.0	14.3	39.7	23.9	23.0	24.7	14.9	19.0	2.5
16.5	14.3	39.6	23.1	23.3	24.6	14.7	18.7	2.5
17.0	14.2	39.4	22.5	21.8	25.1	14.4	18.2	2.5
17.5	14.1	39.3	21.8	19.9	25.3	14.4	18.1	2.6
18.0	14.0	39.0	19.2	17.5	25.4	14.1	17.7	2.7
18.5	13.9	38.7	15.7	14.7	24.8	13.8	17.5	2.8
19.0	13.7	38.5	13.1	12.7	24.5	13.7	17.8	2.9
19.5	13.6	38.1	11.5	11.7	24.0	13.7	18.0	3.0
20.0	13.6	37.6	10.9	11.0	24.6	13.6	18.1	3.1
20.5	13.6	37.1	11.5	11.2	24.0	13.6	18.4	3.1
21.0	13.7	36.5	12.9	12.4	23.5	13.8	18.8	3.2
21.5	13.8	35.8	15.1	14.3	24.0	13.8	19.0	3.2
22.0	13.8	35.2	17.5	16.6	24.2	13.7	19.1	3.2
22.5	13.8	34.6	19.2	19.9	24.0	13.6	19.2	3.2
23.0	13.7	34.3	20.1	23.5	23.7	13.6	19.2	3.3
23.5	13.5	34.2	19.6	24.1	22.8	13.4	19.0	3.4
24.0	13.4	34.0	17.9	22.7	23.1	13.2	19.3	3.4
24.5	13.3	33.9	16.4	19.7	22.5	13.0	19.3	3.5
25.0	13.3	33.6	16.0	16.6	22.4	13.0	19.2	3.6
25.5	13.3	33.4	16.7	15.0	22.4	12.9	19.0	3.8
26.0	13.1	33.1	18.6	14.7	22.1	12.7	19.0	4.1
26.5	13.1	32.7	18.7	15.2	22.0	12.6	19.1	4.1

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: $V_D = +8\text{ V}$, $I_D = 80\text{ mA}$, $V_C = \text{Open}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Output IP-3 @ P _{OUT} = 0 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)	(dBm)	(dB)
0.3	16.7	44.2	6.5	11.3	26.5	14.9	17.9	3.9
0.4	16.4	42.7	8.0	14.1	26.5	14.8	17.7	3.5
0.5	16.7	42.9	9.0	15.9	26.4	15.0	18.0	3.0
0.6	16.6	41.8	9.8	17.8	26.9	15.0	17.9	3.8
0.7	16.6	41.6	10.5	20.1	27.0	15.1	18.0	2.7
0.8	16.6	41.3	10.8	21.9	27.0	15.1	18.1	2.7
0.9	16.7	41.2	11.2	23.6	27.2	15.3	18.2	2.5
1.0	16.7	41.1	11.4	24.4	27.2	15.4	18.2	2.5
1.5	16.7	40.8	11.9	20.3	27.6	15.7	18.5	2.3
2.0	16.7	40.6	11.9	17.3	27.8	16.0	18.8	2.1
2.5	16.6	40.3	11.8	16.1	28.1	16.2	18.8	2.1
3.0	16.4	40.0	11.7	15.8	28.3	16.2	18.8	2.2
3.5	15.7	40.0	11.9	13.2	27.7	15.8	18.4	2.0
4.0	15.3	40.4	12.1	11.7	27.8	15.6	18.3	2.1
4.5	15.1	40.7	12.3	11.4	28.0	15.6	18.3	1.9
5.0	14.9	41.1	12.5	11.4	27.6	15.6	18.5	2.0
5.5	14.8	41.6	12.8	11.7	28.0	15.6	18.3	1.9
6.0	14.8	42.1	13.1	12.0	27.7	15.7	18.4	2.0
6.5	14.8	42.7	13.3	12.4	28.0	15.6	18.3	2.0
7.0	14.8	43.1	13.2	12.6	27.7	15.4	18.2	1.9
7.5	14.8	43.4	13.2	12.8	26.9	15.3	18.2	1.9
8.0	14.8	43.4	13.6	13.0	26.9	15.0	17.9	1.9
8.5	14.9	43.1	15.3	13.1	27.0	14.9	17.8	1.9
9.0	15.0	42.7	19.1	13.0	26.7	14.8	17.6	1.9
9.5	15.0	42.0	28.7	12.8	26.7	14.5	17.4	1.9
10.0	15.0	41.6	22.0	12.3	26.7	14.5	17.4	2.0
10.5	14.7	41.4	15.3	11.7	26.7	14.5	17.5	2.1
11.0	14.6	41.2	11.1	11.2	27.0	14.6	17.5	2.0
11.5	14.3	41.3	10.4	11.0	27.1	14.3	17.3	2.1
12.0	14.1	41.4	9.6	11.1	26.6	14.2	17.3	2.3
12.5	14.0	41.7	9.4	11.3	27.0	14.5	17.6	2.2
13.0	14.1	42.0	9.7	11.7	27.4	14.7	17.8	2.3
13.5	14.3	41.8	10.4	12.4	27.2	14.6	17.8	2.4
14.0	14.6	39.5	11.8	13.8	26.6	14.6	17.9	2.4
14.5	14.7	38.6	14.4	16.1	27.0	14.6	18.0	2.4
15.0	14.7	38.9	17.9	19.1	27.5	14.8	18.1	2.4
15.5	14.6	39.3	21.7	22.2	27.1	14.7	17.9	2.4
16.0	14.6	39.4	23.9	24.4	26.6	14.3	17.6	2.5
16.5	14.5	39.1	23.5	23.8	26.7	14.2	17.6	2.5
17.0	14.5	38.9	23.4	21.9	26.5	14.0	17.4	2.6
17.5	14.4	38.8	23.1	19.7	26.3	14.1	17.2	2.6
18.0	14.3	38.6	20.0	17.3	26.2	13.7	16.7	2.8
18.5	14.2	38.3	16.0	15.1	25.7	13.2	16.1	2.8
19.0	14.0	37.9	13.1	13.2	25.6	13.2	15.9	2.8
19.5	13.9	37.7	11.5	11.9	25.7	13.4	16.1	3.1
20.0	13.8	37.3	10.9	11.2	25.6	13.4	16.3	3.1
20.5	13.8	36.9	11.3	11.3	25.3	13.3	16.4	3.2
21.0	13.9	36.4	12.5	12.2	25.2	13.2	16.5	3.2
21.5	14.0	35.8	14.4	13.9	25.3	13.4	16.7	3.3
22.0	14.1	35.2	16.7	16.2	25.1	13.4	16.9	3.3
22.5	14.1	34.7	18.6	18.1	24.9	13.3	16.9	3.3
23.0	14.1	34.2	19.8	19.3	24.9	13.1	16.9	3.3
23.5	14.0	33.9	19.8	19.9	24.3	12.7	16.7	3.4
24.0	13.8	33.8	18.5	19.5	24.2	12.8	16.9	3.5
24.5	13.7	33.6	17.1	17.9	24.1	12.8	16.9	3.6
25.0	13.6	33.5	16.3	15.9	23.5	12.4	16.9	3.7
25.5	13.6	33.3	16.9	14.4	23.8	12.4	16.7	3.9
26.0	13.4	33.0	17.9	13.9	23.6	12.1	16.6	4.0
26.5	13.3	32.8	17.3	14.4	23.1	12.1	16.8	4.2

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: $V_D = +8\text{ V}$, $I_D = 37\text{ mA}$, $V_C = -0.7\text{ V}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Output IP-3 @ P _{OUT} = -9 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)	(dBm)	(dB)
0.3	15.2	35.2	6.0	14.1	17.2	6.5	9.4	7.5
0.4	14.8	36.1	6.7	15.9	16.8	5.9	9.0	6.7
0.5	15.0	37.0	7.4	18.7	16.7	6.0	9.1	5.9
0.6	14.8	37.7	7.9	19.2	16.8	5.8	8.9	5.9
0.7	14.7	38.2	8.4	19.6	16.7	5.7	8.9	4.9
0.8	14.6	38.7	8.7	20.3	16.7	5.6	8.8	4.5
0.9	14.7	38.7	8.9	19.6	16.7	5.7	8.9	4.2
1.0	14.7	38.8	9.1	19.1	16.7	5.7	8.9	4.1
1.5	14.6	38.9	9.5	16.4	16.8	5.8	9.0	3.4
2.0	14.4	38.6	9.6	14.7	16.7	6.0	9.2	3.1
2.5	14.3	38.2	9.6	14.0	16.7	6.0	9.3	3.0
3.0	13.9	37.8	9.6	13.8	16.3	5.8	9.3	2.9
3.5	13.1	37.6	9.8	11.9	15.9	5.4	8.9	2.8
4.0	12.7	37.9	10.1	10.7	15.9	5.2	8.8	2.8
4.5	12.4	38.3	10.3	10.5	16.2	5.1	8.9	2.6
5.0	12.2	38.7	10.6	10.6	15.7	5.0	9.0	2.7
5.5	12.0	39.2	10.9	10.9	15.9	4.9	9.0	2.6
6.0	11.9	39.7	11.2	11.3	15.4	4.9	9.1	2.8
6.5	11.9	40.2	11.4	11.7	15.9	4.8	9.0	2.7
7.0	11.9	40.5	11.4	12.0	15.7	4.8	9.0	2.7
7.5	11.9	40.5	11.4	12.4	15.2	4.8	9.1	2.7
8.0	12.0	40.2	11.9	12.7	15.4	4.8	9.1	2.7
8.5	12.1	39.7	13.5	13.1	15.1	4.7	8.9	2.7
9.0	12.2	38.9	17.3	13.4	15.1	4.6	8.9	2.7
9.5	12.2	38.1	27.8	13.4	15.1	4.5	8.7	2.7
10.0	12.1	37.6	21.5	12.9	15.0	4.6	8.8	2.9
10.5	11.8	37.3	14.4	12.1	14.9	4.5	8.8	2.9
11.0	11.7	37.1	10.2	11.5	14.7	4.3	8.7	2.9
11.5	11.3	37.1	9.5	11.1	14.7	4.3	8.6	3.0
12.0	11.0	37.2	8.8	11.0	14.0	4.3	8.6	3.3
12.5	10.9	37.2	8.7	11.2	14.6	4.3	8.6	3.2
13.0	11.0	37.2	9.0	11.6	15.4	4.4	8.6	3.4
13.5	11.2	36.9	9.8	12.4	15.1	4.6	8.8	3.5
14.0	11.4	35.4	11.3	13.9	14.4	4.7	9.0	3.4
14.5	11.6	34.5	13.8	16.1	15.0	4.6	9.0	3.5
15.0	11.5	34.4	17.7	19.1	15.2	4.5	9.1	3.4
15.5	11.4	34.5	23.7	22.2	14.6	4.3	9.2	3.5
16.0	11.3	34.4	27.4	24.4	14.3	4.1	9.4	3.5
16.5	11.2	34.1	25.5	23.9	14.1	3.9	9.0	3.5
17.0	11.1	33.8	24.2	22.5	13.8	3.7	8.9	3.7
17.5	10.9	33.6	23.8	20.7	13.6	3.5	8.9	3.7
18.0	10.8	33.4	20.2	18.3	13.5	3.3	8.9	3.9
18.5	10.6	33.2	15.9	15.6	13.0	3.2	8.7	4.1
19.0	10.4	32.9	13.0	13.3	13.0	3.1	8.6	4.1
19.5	10.2	32.7	11.3	11.8	13.0	3.0	8.6	4.3
20.0	10.0	32.4	10.7	11.0	12.8	3.0	8.3	4.4
20.5	10.0	32.1	11.3	11.1	13.0	3.0	7.6	4.5
21.0	10.1	31.6	12.8	12.0	13.1	3.0	7.5	4.5
21.5	10.2	31.1	15.2	13.7	13.2	3.0	7.6	4.7
22.0	10.2	30.6	18.2	15.9	12.9	2.9	7.6	4.6
22.5	10.1	30.3	21.2	17.8	12.7	2.9	7.8	4.6
23.0	10.0	30.0	23.1	19.0	12.6	2.7	8.0	4.7
23.5	9.8	29.7	22.7	19.2	12.4	2.6	8.2	4.9
24.0	9.6	29.6	20.4	18.6	12.2	2.4	8.5	4.9
24.5	9.4	29.6	17.9	17.2	12.1	2.3	8.6	4.9
25.0	9.2	29.4	16.5	15.6	11.7	2.2	8.6	5.1
25.5	9.1	29.3	16.6	14.6	11.8	2.0	7.7	5.3
26.0	8.9	29.2	17.1	14.3	11.9	1.8	7.5	5.5
26.5	8.7	29.0	16.9	14.7	11.3	1.6	7.6	5.7

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: $V_D = +8\text{ V}$, $I_D = 58\text{ mA}$, $V_C = +1\text{ V}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Output IP-3 @ P _{OUT} = -9 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)	(dBm)	(dB)
0.3	16.2	43.9	6.4	11.5	25.7	14.2	17.5	4.7
0.4	15.9	42.5	7.7	14.5	25.0	13.7	17.3	4.2
0.5	16.2	42.9	8.7	16.3	24.4	13.8	17.6	3.6
0.6	16.0	41.7	9.4	18.3	25.7	13.8	17.5	4.2
0.7	16.0	41.5	10.0	20.8	25.5	13.9	17.5	3.1
0.8	16.1	41.2	10.3	22.9	25.2	13.9	17.6	3.0
0.9	16.1	41.1	10.6	24.8	25.8	14.0	17.7	2.8
1.0	16.1	41.0	10.8	25.5	25.5	14.0	17.8	2.8
1.5	16.2	40.6	11.2	20.3	26.5	14.3	18.0	2.4
2.0	16.1	40.4	11.2	17.2	25.9	14.5	18.3	2.2
2.5	16.0	40.1	11.2	16.0	26.9	14.9	18.4	2.2
3.0	15.8	39.8	11.1	15.7	26.7	15.0	18.3	2.2
3.5	15.0	39.8	11.3	13.2	25.7	14.4	17.9	2.1
4.0	14.6	40.1	11.5	11.7	25.9	14.1	17.8	2.1
4.5	14.4	40.5	11.8	11.3	25.9	14.2	17.8	2.0
5.0	14.2	40.9	12.0	11.4	25.4	14.0	17.9	2.0
5.5	14.1	41.4	12.2	11.6	25.7	14.2	17.8	2.0
6.0	14.0	41.9	12.5	12.0	25.5	14.2	17.9	2.1
6.5	14.0	42.5	12.6	12.4	25.7	14.0	17.8	2.0
7.0	14.0	43.0	12.5	12.7	25.5	14.0	17.6	2.0
7.5	14.0	43.2	12.4	12.9	24.8	13.9	17.6	2.0
8.0	14.0	43.2	12.8	13.1	24.7	13.8	17.4	2.0
8.5	14.1	42.8	14.3	13.3	24.7	13.5	17.3	1.9
9.0	14.2	42.2	17.8	13.3	24.5	13.4	17.2	1.9
9.5	14.3	41.5	27.9	13.0	24.8	13.3	17.0	1.9
10.0	14.2	41.0	24.3	12.5	24.8	13.4	17.0	2.0
10.5	14.0	40.7	15.8	11.9	24.9	13.5	17.1	2.1
11.0	13.9	40.5	11.1	11.3	25.1	13.5	17.0	2.1
11.5	13.6	40.5	10.3	11.1	25.2	13.4	16.9	2.1
12.0	13.3	40.6	9.5	11.1	24.5	13.4	16.9	2.3
12.5	13.2	40.7	9.3	11.4	25.1	13.4	17.3	2.3
13.0	13.3	40.9	9.5	11.8	25.3	13.5	17.5	2.4
13.5	13.5	40.6	10.2	12.5	25.4	13.6	17.4	2.5
14.0	13.8	38.5	11.5	14.0	25.0	13.6	17.5	2.5
14.5	13.9	37.6	14.1	16.3	24.6	13.5	17.6	2.4
15.0	13.9	37.8	17.7	19.5	24.5	13.5	17.8	2.4
15.5	13.8	38.1	22.7	22.9	26.4	13.4	17.6	2.5
16.0	13.7	38.1	26.5	25.1	24.0	13.3	17.3	2.5
16.5	13.7	37.9	25.2	24.4	23.9	13.1	17.3	2.5
17.0	13.6	37.6	24.5	22.6	24.3	12.8	17.1	2.6
17.5	13.5	37.4	24.3	20.4	24.1	12.6	16.9	2.7
18.0	13.4	37.1	21.1	17.9	24.4	12.3	16.4	2.8
18.5	13.3	36.8	16.6	15.4	23.3	11.9	15.7	2.9
19.0	13.1	36.5	13.4	13.3	23.6	11.8	15.6	2.9
19.5	13.0	36.2	11.6	11.9	23.4	11.7	15.9	3.1
20.0	12.9	35.9	10.9	11.1	23.4	11.7	16.1	3.2
20.5	12.9	35.5	11.3	11.2	22.7	11.6	16.3	3.3
21.0	13.0	34.9	12.5	12.1	22.7	11.7	16.5	3.3
21.5	13.1	34.3	14.6	13.7	23.3	11.7	16.8	3.4
22.0	13.1	33.7	17.3	16.0	23.3	11.9	16.8	3.3
22.5	13.1	33.2	19.8	18.0	23.0	11.9	16.8	3.4
23.0	13.1	32.8	21.4	19.3	22.8	11.7	16.9	3.4
23.5	13.0	32.5	21.3	19.9	22.1	11.6	16.8	3.5
24.0	12.8	32.4	19.6	19.7	22.3	11.5	16.9	3.5
24.5	12.7	32.2	17.5	18.1	21.8	11.4	16.9	3.6
25.0	12.6	32.0	16.3	15.9	21.4	11.4	16.8	3.7
25.5	12.5	31.8	16.4	14.4	21.9	11.4	16.8	3.9
26.0	12.4	31.6	17.1	13.8	21.8	11.4	16.7	4.1
26.5	12.3	31.4	16.9	14.2	21.3	11.2	16.8	4.2

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: $V_D = +8\text{ V}$, $I_D = 82\text{ mA}$, $V_C = +2\text{ V}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Output IP-3 @ P _{OUT} = -9 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)	(dBm)	(dB)
0.3	16.7	44.2	6.5	11.2	26.7	14.8	17.9	3.9
0.4	16.4	42.7	8.0	14.0	26.4	14.7	17.8	3.5
0.5	16.7	42.9	9.1	15.8	26.1	15.0	18.0	3.1
0.6	16.6	41.8	9.9	17.7	26.9	14.9	17.9	3.8
0.7	16.6	41.5	10.6	19.9	26.9	15.1	18.0	2.8
0.8	16.6	41.3	10.9	21.8	26.6	15.1	18.1	2.7
0.9	16.6	41.2	11.3	23.5	26.9	15.3	18.2	2.5
1.0	16.7	41.1	11.5	24.2	27.2	15.3	18.3	2.5
1.5	16.7	40.8	12.0	20.3	27.9	15.7	18.5	2.3
2.0	16.7	40.5	11.9	17.3	27.7	16.1	18.8	2.2
2.5	16.6	40.3	11.8	16.2	28.1	16.2	18.9	2.1
3.0	16.4	40.0	11.8	15.8	28.5	16.2	18.8	2.2
3.5	15.7	40.0	11.9	13.2	28.0	15.8	18.4	2.1
4.0	15.3	40.3	12.1	11.7	27.7	15.7	18.3	2.1
4.5	15.1	40.7	12.4	11.4	28.3	15.6	18.3	1.9
5.0	14.9	41.1	12.6	11.4	27.6	15.7	18.5	2.0
5.5	14.8	41.6	12.9	11.7	28.1	15.7	18.3	1.9
6.0	14.8	42.1	13.2	12.1	28.0	15.7	18.4	2.1
6.5	14.8	42.6	13.4	12.4	28.0	15.6	18.4	2.0
7.0	14.8	43.0	13.3	12.6	28.1	15.4	18.2	2.0
7.5	14.8	43.3	13.2	12.8	26.9	15.3	18.2	2.0
8.0	14.8	43.3	13.7	13.0	26.8	14.9	18.0	1.9
8.5	14.9	43.1	15.4	13.1	26.8	14.8	17.8	1.9
9.0	15.0	42.6	19.2	13.0	26.6	14.7	17.7	1.9
9.5	15.0	42.0	28.5	12.8	26.5	14.4	17.4	1.9
10.0	14.9	41.6	21.8	12.3	26.9	14.3	17.4	2.0
10.5	14.7	41.4	15.2	11.7	26.9	14.5	17.5	2.1
11.0	14.6	41.2	11.0	11.2	27.2	14.4	17.5	2.0
11.5	14.3	41.3	10.4	11.0	27.3	14.2	17.3	2.2
12.0	14.1	41.4	9.6	11.0	26.7	14.1	17.3	2.3
12.5	14.0	41.7	9.5	11.3	27.2	14.4	17.6	2.3
13.0	14.0	41.9	9.8	11.7	27.0	14.6	17.8	2.4
13.5	14.3	41.8	10.5	12.4	27.1	14.5	17.8	2.5
14.0	14.5	39.6	11.9	13.8	27.8	14.4	17.9	2.4
14.5	14.7	38.6	14.5	16.0	26.1	14.5	17.9	2.4
15.0	14.7	38.9	17.8	19.1	26.5	14.7	18.0	2.4
15.5	14.6	39.3	21.5	22.2	28.2	14.5	17.8	2.5
16.0	14.5	39.4	23.6	24.4	25.1	14.1	17.5	2.5
16.5	14.5	39.2	23.4	23.8	25.3	14.1	17.4	2.5
17.0	14.4	39.0	23.4	21.9	25.8	13.9	17.3	2.6
17.5	14.3	38.8	23.0	19.7	26.3	13.9	17.2	2.7
18.0	14.2	38.6	19.9	17.3	27.1	13.5	16.7	2.8
18.5	14.1	38.3	15.9	15.0	26.4	12.9	16.1	2.9
19.0	14.0	38.0	13.2	13.1	26.0	13.0	15.9	2.9
19.5	13.8	37.7	11.5	11.8	25.7	13.3	16.0	3.1
20.0	13.7	37.4	10.9	11.2	25.9	13.3	16.1	3.2
20.5	13.8	37.0	11.4	11.3	24.7	13.1	16.2	3.3
21.0	13.9	36.4	12.6	12.2	24.5	13.1	16.3	3.3
21.5	14.0	35.9	14.4	13.9	25.7	13.3	16.5	3.3
22.0	14.0	35.2	16.6	16.2	25.4	13.2	16.6	3.3
22.5	14.0	34.8	18.5	18.2	25.2	13.1	16.6	3.4
23.0	14.0	34.3	19.7	19.4	24.9	12.9	16.5	3.4
23.5	13.9	34.0	19.7	19.9	23.9	12.4	16.5	3.5
24.0	13.7	33.9	18.6	19.5	24.4	12.6	16.6	3.5
24.5	13.6	33.7	17.1	17.8	23.8	12.5	16.6	3.6
25.0	13.5	33.5	16.4	15.8	23.4	12.2	16.6	3.8
25.5	13.5	33.4	17.0	14.4	23.9	12.1	16.4	3.9
26.0	13.3	33.2	17.9	13.9	23.7	11.7	16.3	4.2
26.5	13.2	33.0	17.3	14.4	23.2	11.8	16.5	4.3