

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: $V_{DD} = +20\text{ V}$, $I_{DD} = 400\text{ mA}$, $V_G = -2\text{ V}$, $I_G = 0.01\text{ mA}$, Temperature = $+25^\circ\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10	21.4	-55.1	-11.8	-14.7	21.9	1.0	32.5	37.9	36.3
20	21.4	-55.8	-11.8	-14.9	23.7	1.0	32.6	37.5	34.3
30	21.4	-60.1	-11.9	-14.8	38.9	1.0	33.2	37.3	32.4
40	21.4	-58.0	-11.8	-14.6	30.4	1.0	33.3	36.7	31.1
50	21.4	-56.9	-11.8	-14.4	27.0	1.0	33.1	36.9	31.3
60	21.3	-55.3	-11.8	-14.2	22.3	1.0	33.0	37.1	31.6
70	21.3	-53.6	-11.8	-13.9	18.5	1.0	33.6	37.1	32.4
80	21.2	-53.1	-11.8	-13.7	17.6	1.0	33.7	37.4	30.3
90	21.3	-52.1	-12.0	-13.3	15.5	1.0	33.3	37.4	28.7
100	21.3	-51.0	-11.8	-13.1	13.5	1.0	33.2	37.5	26.2
200	21.3	-45.1	-11.7	-11.6	6.7	1.0	33.1	37.7	20.2
300	21.3	-42.0	-10.7	-10.8	4.6	1.0	32.6	37.3	18.1
400	21.0	-39.5	-8.6	-10.3	3.3	1.0	32.4	37.4	16.3
500	19.7	-38.9	-7.0	-10.4	3.4	1.1	32.4	37.0	18.3
600	18.4	-38.6	-6.7	-10.6	3.8	1.1	32.1	37.4	12.6
700	17.2	-38.2	-7.0	-10.9	4.3	1.1	32.4	37.2	7.0
800	16.9	-37.7	-7.8	-10.8	4.3	1.0	32.6	37.5	6.9
900	16.9	-36.6	-8.8	-10.8	4.0	1.0	32.8	38.0	6.2
1000	17.0	-35.6	-9.8	-11.0	3.6	1.0	32.4	38.1	5.7
1100	17.2	-34.7	-10.9	-10.8	3.3	1.0	32.0	37.6	5.4
1200	17.5	-33.8	-12.0	-10.9	3.0	0.9	31.8	37.3	4.9
1300	17.7	-32.9	-12.8	-11.6	2.7	0.9	32.0	37.7	4.4
1400	17.8	-32.2	-13.1	-11.6	2.5	0.9	32.3	38.1	3.9
1500	17.9	-31.7	-13.0	-11.9	2.3	0.9	32.3	38.4	3.7
1600	17.9	-31.1	-12.7	-12.8	2.2	0.9	32.2	38.2	3.5
1700	17.9	-30.7	-12.2	-13.8	2.1	0.9	32.3	38.1	3.3
1800	17.9	-30.3	-11.8	-14.4	2.0	1.0	32.6	38.4	3.3
1900	17.8	-29.9	-11.4	-15.1	2.0	1.0	32.8	38.4	3.1
2000	17.7	-29.6	-11.2	-16.1	1.9	1.0	32.8	38.2	3.2
2100	17.6	-29.3	-11.1	-17.2	1.9	1.0	32.8	38.1	3.2
2200	17.5	-29.1	-11.1	-18.3	1.9	1.0	32.9	38.1	3.2
2300	17.3	-28.9	-11.3	-18.7	1.9	1.0	32.9	38.2	3.2
2400	17.2	-28.7	-11.8	-19.0	1.9	1.0	32.9	38.3	3.4
2500	17.0	-28.5	-12.5	-19.2	1.9	1.0	32.8	38.3	3.5
2600	16.9	-28.4	-13.6	-19.1	1.9	1.0	32.7	38.3	3.6
2700	16.7	-28.2	-14.8	-18.2	1.9	0.9	32.6	38.3	3.7
2800	16.5	-28.2	-16.6	-17.1	2.0	0.9	32.6	38.0	3.8
2900	16.2	-28.0	-18.9	-16.2	2.0	0.9	32.7	38.0	3.9
3000	16.0	-28.0	-22.2	-15.4	2.0	0.9	32.5	38.2	4.0
3100	15.7	-28.0	-27.3	-14.4	2.1	0.9	32.4	38.0	4.2
3200	15.5	-27.9	-30.0	-13.5	2.1	0.9	32.4	37.7	4.3
3300	15.2	-27.9	-24.1	-12.5	2.1	0.9	32.4	37.7	4.4
3400	14.8	-27.9	-19.8	-11.7	2.2	0.9	32.5	37.8	4.4
3500	14.5	-28.0	-16.9	-11.1	2.3	0.9	32.2	37.8	4.8
3600	14.1	-28.1	-14.6	-10.5	2.3	0.9	32.2	37.7	5.1
3700	13.7	-28.2	-12.8	-10.0	2.4	0.9	32.5	37.5	5.1
3800	13.3	-28.4	-11.2	-9.5	2.5	0.9	32.5	37.5	5.3
3900	12.8	-28.6	-10.0	-9.3	2.6	0.9	32.4	37.4	5.2
4000	12.3	-28.8	-8.8	-9.2	2.8	0.9	32.1	37.2	5.3

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: $V_{DD} = +24\text{ V}$, $I_{DD} = 400\text{ mA}$, $V_G = -2\text{ V}$, $I_G = 0.01\text{ mA}$, Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
10	21.6	-59.3	-11.9	-12.3	33.6	1.0	35.2	38.9	36.4
20	21.6	-68.8	-11.8	-12.5	101.0	1.0	34.2	38.9	33.8
30	21.6	-68.5	-11.9	-12.5	97.5	1.0	33.2	39.1	31.2
40	21.6	-59.4	-11.9	-12.6	34.4	1.0	34.3	38.3	31.0
50	21.6	-57.4	-11.8	-12.6	27.1	1.0	34.4	38.6	30.7
60	21.6	-55.5	-11.8	-12.6	21.9	1.0	33.3	38.8	30.3
70	21.6	-56.0	-11.8	-12.7	23.2	1.0	33.9	38.9	29.7
80	21.5	-53.6	-11.8	-12.7	17.7	1.0	34.3	39.0	23.7
90	21.6	-53.8	-12.1	-12.6	18.1	1.0	34.3	39.0	23.1
100	21.7	-52.5	-11.9	-12.7	15.4	1.0	34.1	39.1	22.6
200	21.9	-46.4	-11.9	-12.4	7.4	1.0	34.0	39.2	20.3
300	21.9	-42.9	-11.0	-12.0	4.8	1.0	33.7	38.8	18.2
400	21.8	-40.5	-8.8	-11.7	3.5	1.1	33.6	38.9	16.5
500	20.5	-39.7	-7.1	-12.0	3.5	1.1	33.5	39.0	18.0
600	19.1	-39.5	-7.0	-12.1	4.0	1.1	33.1	38.8	12.4
700	17.8	-39.3	-7.3	-12.2	4.6	1.1	33.5	38.6	6.9
800	17.4	-38.7	-8.1	-12.0	4.7	1.1	33.6	38.9	6.6
900	17.4	-37.5	-9.1	-11.8	4.3	1.0	33.7	39.4	5.9
1000	17.5	-36.6	-10.2	-11.8	3.9	1.0	33.2	39.5	5.6
1100	17.6	-35.7	-11.4	-11.5	3.6	1.0	32.7	39.0	5.1
1200	17.8	-34.9	-12.5	-11.5	3.3	0.9	32.6	38.7	4.7
1300	18.0	-34.1	-13.3	-12.0	3.0	0.9	32.7	39.0	4.2
1400	18.2	-33.3	-13.7	-11.8	2.7	0.9	32.9	39.3	3.8
1500	18.2	-32.8	-13.5	-12.0	2.5	0.9	33.0	39.7	3.5
1600	18.3	-32.3	-13.1	-12.8	2.4	0.9	32.8	39.5	3.4
1700	18.3	-31.9	-12.6	-13.6	2.3	1.0	32.9	39.4	3.3
1800	18.2	-31.5	-12.1	-14.1	2.2	1.0	33.2	39.7	3.3
1900	18.2	-31.1	-11.7	-14.7	2.1	1.0	33.3	39.8	3.1
2000	18.2	-30.8	-11.4	-15.7	2.1	1.0	33.4	39.6	3.2
2100	18.1	-30.4	-11.2	-16.9	2.0	1.0	33.5	39.5	3.3
2200	18.0	-30.2	-11.2	-18.4	2.0	1.0	33.6	39.5	3.3
2300	17.9	-30.0	-11.4	-19.6	2.0	1.0	33.8	39.6	3.4
2400	17.8	-29.8	-11.8	-21.1	2.0	1.0	33.8	39.7	3.4
2500	17.7	-29.6	-12.3	-23.2	2.0	1.0	33.8	39.6	3.6
2600	17.5	-29.4	-13.2	-25.5	2.0	1.0	33.7	39.6	3.7
2700	17.4	-29.3	-14.3	-25.9	2.0	1.0	33.6	39.6	3.8
2800	17.2	-29.1	-15.7	-24.1	2.0	1.0	33.6	39.3	3.9
2900	17.0	-29.0	-17.5	-22.1	2.1	0.9	33.7	39.2	4.0
3000	16.8	-28.9	-19.8	-20.5	2.1	0.9	33.5	39.4	4.1
3100	16.6	-28.9	-22.8	-18.5	2.1	0.9	33.5	39.2	4.3
3200	16.3	-28.8	-25.5	-16.7	2.2	0.9	33.4	38.8	4.4
3300	16.1	-28.8	-24.2	-15.1	2.2	0.9	33.4	39.0	4.5
3400	15.8	-28.8	-20.9	-14.0	2.3	0.9	33.5	39.1	4.5
3500	15.4	-28.9	-17.9	-13.1	2.3	0.9	33.3	39.1	4.8
3600	15.1	-29.0	-15.5	-12.1	2.4	0.9	33.2	39.0	5.2
3700	14.7	-29.0	-13.5	-11.3	2.4	0.9	33.4	38.7	5.2
3800	14.2	-29.2	-11.9	-10.6	2.5	0.9	33.5	38.6	5.4
3900	13.8	-29.5	-10.5	-10.1	2.7	0.9	33.4	38.5	5.3
4000	13.3	-29.7	-9.3	-9.8	2.8	0.9	33.2	38.4	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} = +28 V, I_{DD} = 400 mA, V_G = -2 V, I_G = 0.01 mA, Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P _{OUT} = +26 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure				
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
10	21.7	-63.1	-11.9	-10.7	50.6	1.0	44.2	32.5	39.0	36.5
20	21.6	-64.0	-11.9	-10.9	56.3	1.0	43.5	33.5	39.5	34.5
30	21.6	-60.1	-11.9	-11.0	36.1	1.0	43.8	34.5	39.8	32.4
40	21.7	-63.2	-11.9	-11.1	51.6	1.0	44.0	34.7	39.5	30.1
50	21.7	-60.4	-11.9	-11.2	37.1	1.0	44.2	35.1	39.2	31.2
60	21.7	-58.9	-11.8	-11.3	31.2	1.0	44.4	35.4	39.6	32.2
70	21.7	-55.9	-11.9	-11.4	22.1	1.0	44.4	35.3	39.7	30.6
80	21.7	-54.3	-11.8	-11.6	18.6	1.0	44.3	35.2	40.2	24.0
90	21.8	-54.0	-12.1	-11.6	17.8	1.0	43.9	35.2	40.1	23.2
100	21.8	-53.2	-12.0	-11.7	16.1	1.0	44.3	35.1	40.5	22.5
200	22.2	-46.7	-12.1	-12.3	7.4	1.0	43.7	35.1	40.8	20.3
300	22.3	-43.1	-11.2	-12.4	4.8	1.0	42.8	34.9	40.2	18.0
400	22.2	-40.8	-8.9	-12.4	3.5	1.1	42.0	34.8	40.1	16.2
500	20.9	-40.2	-7.3	-12.8	3.5	1.1	40.8	34.3	40.3	18.6
600	19.5	-40.1	-7.1	-13.0	4.1	1.1	39.6	34.3	40.1	12.6
700	18.1	-39.8	-7.4	-12.9	4.8	1.1	40.0	34.6	39.7	6.7
800	17.7	-39.2	-8.3	-12.6	4.9	1.1	40.7	34.6	40.0	6.3
900	17.7	-38.4	-9.4	-12.4	4.6	1.0	41.0	34.5	40.6	5.7
1000	17.7	-37.3	-10.5	-12.2	4.2	1.0	40.7	33.9	40.7	5.3
1100	17.8	-36.3	-11.8	-11.8	3.8	1.0	40.3	33.4	40.2	4.9
1200	18.0	-35.6	-12.9	-11.8	3.5	0.9	40.0	33.2	39.8	4.5
1300	18.2	-34.9	-13.7	-12.3	3.2	0.9	40.4	33.3	40.1	4.0
1400	18.3	-34.2	-14.0	-11.9	2.9	0.9	41.1	33.4	40.4	3.6
1500	18.4	-33.7	-13.8	-12.0	2.8	0.9	41.2	33.4	40.7	3.5
1600	18.4	-33.1	-13.3	-12.7	2.6	0.9	41.0	33.3	40.5	3.3
1700	18.4	-32.8	-12.8	-13.4	2.5	1.0	41.3	33.5	40.3	3.3
1800	18.4	-32.4	-12.3	-13.7	2.4	1.0	41.9	33.7	40.7	3.3
1900	18.4	-31.9	-11.9	-14.3	2.3	1.0	42.2	33.8	40.9	3.3
2000	18.4	-31.6	-11.6	-15.1	2.2	1.0	42.4	33.9	40.7	3.4
2100	18.3	-31.3	-11.4	-16.2	2.2	1.0	42.3	33.9	40.6	3.6
2200	18.3	-31.1	-11.3	-17.6	2.1	1.0	42.2	34.2	40.6	3.6
2300	18.2	-30.8	-11.4	-18.7	2.1	1.0	41.0	34.5	40.6	3.6
2400	18.1	-30.5	-11.7	-20.3	2.1	1.0	41.4	34.5	40.7	3.7
2500	18.0	-30.3	-12.3	-22.5	2.1	1.0	41.6	34.6	40.7	3.8
2600	17.9	-30.1	-13.0	-26.3	2.1	1.0	42.6	34.6	40.7	3.9
2700	17.8	-30.0	-13.9	-33.1	2.1	1.0	42.5	34.6	40.5	4.1
2800	17.6	-29.9	-15.2	-38.6	2.1	1.0	42.3	34.6	40.2	4.1
2900	17.5	-29.7	-16.7	-30.9	2.1	1.0	42.2	34.6	40.2	4.2
3000	17.3	-29.7	-18.5	-26.0	2.2	1.0	41.9	34.5	40.4	4.4
3100	17.1	-29.5	-20.7	-22.2	2.2	0.9	41.5	34.4	40.1	4.4
3200	16.8	-29.5	-22.8	-19.3	2.2	0.9	41.1	34.4	39.6	4.6
3300	16.6	-29.5	-23.0	-17.2	2.3	0.9	40.8	34.5	39.9	4.7
3400	16.3	-29.4	-21.0	-15.7	2.3	0.9	41.0	34.6	40.0	4.7
3500	16.0	-29.5	-18.4	-14.5	2.4	0.9	40.4	34.3	40.1	5.0
3600	15.7	-29.5	-16.1	-13.3	2.4	0.9	39.7	34.3	39.9	5.4
3700	15.3	-29.7	-14.1	-12.3	2.5	0.9	39.3	34.6	39.6	5.4
3800	14.9	-29.8	-12.4	-11.4	2.6	0.9	39.6	34.6	39.5	5.7
3900	14.4	-30.0	-10.9	-10.8	2.7	0.9	39.5	34.4	39.4	5.6
4000	14.0	-30.3	-9.7	-10.3	2.8	1.0	38.8	34.2	39.3	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: $V_{DD} = +28\text{ V}$, $I_{DD} = 300\text{ mA}$, $V_G = -2.1\text{ V}$, $I_G = 0.01\text{ mA}$, Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output $P_{OUT} = +26$ dBm/Tone	1dB Comp. Output	P_{SAT} Output	Noise Figure
					K	Measure				
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
10	21.7	-60.9	-11.8	-10.1	38.2	1.0	41.0	32.6	40.0	36.3
20	21.7	-61.8	-11.8	-10.5	43.0	1.0	40.2	32.8	40.0	34.4
30	21.7	-62.7	-11.9	-10.5	47.9	1.0	40.5	32.9	39.7	32.5
40	21.7	-60.1	-11.9	-10.6	35.2	1.0	40.9	32.3	39.4	31.0
50	21.8	-57.9	-11.9	-10.7	27.4	1.0	41.3	33.1	39.1	26.3
60	21.8	-57.5	-11.8	-10.8	26.2	1.0	41.5	33.7	39.3	30.2
70	21.8	-57.4	-11.8	-10.9	25.8	1.0	41.3	32.6	39.7	29.9
80	21.7	-54.7	-11.8	-11.1	19.1	1.0	41.3	32.6	39.7	22.8
90	21.8	-53.6	-12.1	-11.2	16.8	1.0	41.0	32.8	40.0	22.9
100	21.9	-54.2	-12.0	-11.3	17.8	1.0	41.3	32.9	40.2	23.1
200	22.3	-46.8	-12.1	-12.1	7.4	1.0	41.1	33.0	40.3	20.1
300	22.4	-43.4	-11.2	-12.4	4.9	1.0	40.6	32.9	39.9	17.9
400	22.3	-40.9	-8.9	-12.4	3.5	1.1	40.2	32.7	40.1	16.4
500	21.0	-40.2	-7.3	-13.0	3.5	1.1	39.7	32.4	40.2	19.6
600	19.6	-39.9	-7.1	-13.1	4.0	1.1	39.1	32.4	40.0	13.3
700	18.2	-40.0	-7.4	-13.0	4.8	1.1	39.4	32.7	39.7	6.9
800	17.8	-39.3	-8.3	-12.7	4.9	1.1	39.8	32.5	39.9	6.8
900	17.7	-38.4	-9.4	-12.4	4.6	1.0	39.7	32.2	40.5	6.1
1000	17.8	-37.5	-10.5	-12.2	4.2	1.0	39.0	31.7	40.7	5.6
1100	17.9	-36.6	-11.8	-11.8	3.8	1.0	38.3	31.1	40.2	5.3
1200	18.1	-35.8	-12.9	-11.8	3.5	0.9	38.1	30.9	39.8	4.9
1300	18.3	-35.0	-13.7	-12.1	3.2	0.9	38.2	31.0	40.0	4.3
1400	18.4	-34.4	-14.0	-11.8	3.0	0.9	38.5	31.2	40.3	3.8
1500	18.5	-33.7	-13.8	-12.0	2.7	0.9	38.5	31.3	40.6	3.5
1600	18.5	-33.3	-13.3	-12.6	2.6	0.9	38.2	31.1	40.4	3.3
1700	18.5	-32.9	-12.8	-13.2	2.5	1.0	38.5	31.2	40.3	3.2
1800	18.5	-32.5	-12.3	-13.6	2.4	1.0	39.0	31.4	40.6	3.1
1900	18.5	-32.1	-11.8	-14.1	2.3	1.0	39.3	31.6	40.8	2.9
2000	18.5	-31.8	-11.6	-14.9	2.2	1.0	39.4	31.6	40.6	3.0
2100	18.4	-31.4	-11.3	-15.9	2.2	1.0	39.3	31.6	40.5	3.0
2200	18.4	-31.1	-11.3	-17.2	2.1	1.0	39.4	31.8	40.5	2.9
2300	18.3	-31.0	-11.4	-18.3	2.1	1.0	40.2	32.1	40.6	3.0
2400	18.3	-30.8	-11.7	-19.9	2.1	1.0	40.1	32.2	40.7	3.5
2500	18.2	-30.5	-12.2	-22.0	2.1	1.0	40.0	32.3	40.6	3.2
2600	18.1	-30.3	-12.9	-25.4	2.1	1.0	39.9	32.3	40.6	3.3
2700	17.9	-30.0	-13.8	-31.5	2.1	1.0	39.8	32.3	40.5	3.5
2800	17.8	-29.9	-15.0	-48.0	2.1	1.0	39.8	32.4	40.1	3.6
2900	17.6	-29.8	-16.4	-33.7	2.1	1.0	39.6	32.4	40.1	3.7
3000	17.5	-29.7	-18.2	-27.0	2.1	1.0	39.5	32.3	40.3	3.8
3100	17.3	-29.6	-20.3	-22.7	2.1	0.9	39.2	32.2	40.0	4.0
3200	17.0	-29.6	-22.5	-19.7	2.2	0.9	38.9	32.3	39.5	4.1
3300	16.8	-29.6	-23.1	-17.6	2.2	0.9	38.9	32.5	39.8	4.2
3400	16.5	-29.5	-21.3	-15.9	2.3	0.9	39.1	32.5	40.0	4.2
3500	16.2	-29.5	-18.7	-14.6	2.3	0.9	38.8	32.1	40.0	4.5
3600	15.9	-29.6	-16.3	-13.4	2.4	0.9	38.3	32.1	39.9	5.0
3700	15.5	-29.7	-14.3	-12.3	2.5	0.9	38.2	32.6	39.6	4.9
3800	15.1	-29.8	-12.5	-11.4	2.5	0.9	38.5	32.8	39.5	5.1
3900	14.7	-30.0	-11.1	-10.8	2.6	0.9	38.4	32.5	39.4	5.0
4000	14.2	-30.2	-9.8	-10.3	2.7	0.9	38.0	32.2	39.3	5.0

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} = +28 V, I_{DD} = 400 mA, V_G = -2.25 V, I_G = 0.01 mA, Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P _{OUT} = +26 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure				
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
10	21.5	-58.5	-11.8	-9.4	29.4	0.9	38.6	31.8	39.5	36.4
20	21.4	-65.3	-11.8	-9.5	64.8	0.9	38.0	30.5	39.5	33.8
30	21.4	-70.8	-11.9	-9.6	122.0	0.9	38.1	30.4	40.0	31.3
40	21.5	-59.1	-11.9	-9.7	31.8	1.0	38.5	30.3	39.2	30.7
50	21.5	-61.1	-11.9	-9.8	39.6	1.0	38.9	30.9	39.1	27.8
60	21.6	-56.6	-11.9	-9.9	23.5	1.0	38.9	30.4	38.8	30.6
70	21.6	-57.7	-11.9	-10.0	26.8	1.0	38.8	30.6	39.4	29.1
80	21.5	-54.8	-11.9	-10.2	19.6	1.0	38.8	30.4	39.7	22.2
90	21.6	-55.0	-12.2	-10.3	19.7	1.0	38.5	30.4	39.8	21.7
100	21.7	-54.0	-12.0	-10.5	17.5	1.0	38.7	30.8	40.2	21.2
200	22.1	-46.9	-12.2	-11.5	7.5	1.0	38.9	31.2	40.5	19.9
300	22.3	-43.2	-11.3	-12.0	4.8	1.0	39.0	31.6	39.9	18.6
400	22.2	-40.7	-9.0	-12.3	3.5	1.1	39.1	31.2	40.0	16.4
500	20.9	-40.0	-7.3	-12.9	3.5	1.1	39.2	31.6	39.7	18.1
600	19.5	-39.8	-7.2	-13.0	4.0	1.1	39.2	31.4	39.8	12.4
700	18.1	-39.7	-7.5	-12.9	4.7	1.1	39.5	31.3	39.6	6.8
800	17.6	-39.1	-8.4	-12.6	4.9	1.1	39.6	30.7	39.8	6.7
900	17.6	-38.3	-9.5	-12.2	4.6	1.0	39.3	30.1	40.5	5.9
1000	17.6	-37.2	-10.6	-12.0	4.2	1.0	38.6	29.5	40.7	5.5
1100	17.8	-36.5	-11.9	-11.7	3.9	1.0	38.2	28.7	40.2	5.2
1200	17.9	-35.7	-13.0	-11.7	3.5	0.9	38.0	28.3	39.7	4.7
1300	18.1	-35.0	-13.7	-11.9	3.3	0.9	37.9	28.4	39.9	4.2
1400	18.2	-34.3	-14.0	-11.7	3.0	0.9	37.8	28.7	40.3	3.7
1500	18.2	-33.7	-13.8	-11.9	2.8	0.9	37.6	28.8	40.6	3.4
1600	18.3	-33.2	-13.3	-12.4	2.6	0.9	37.5	28.6	40.3	3.2
1700	18.3	-32.9	-12.8	-12.9	2.5	1.0	37.6	28.7	40.2	3.0
1800	18.3	-32.4	-12.2	-13.3	2.4	1.0	37.9	29.0	40.6	2.9
1900	18.3	-32.0	-11.8	-13.8	2.3	1.0	38.2	29.2	40.8	2.7
2000	18.3	-31.6	-11.5	-14.6	2.2	1.0	38.3	29.2	40.6	2.8
2100	18.3	-31.4	-11.3	-15.5	2.2	1.0	38.3	29.1	40.5	2.8
2200	18.2	-31.1	-11.2	-16.8	2.1	1.0	38.3	29.3	40.4	2.7
2300	18.2	-30.7	-11.3	-17.9	2.1	1.0	40.1	29.6	40.5	2.8
2400	18.2	-30.6	-11.6	-19.4	2.1	1.0	40.1	29.8	40.7	2.9
2500	18.1	-30.3	-12.0	-21.3	2.0	1.0	40.0	29.9	40.6	2.9
2600	18.0	-30.1	-12.7	-24.2	2.0	1.0	39.5	29.8	40.6	3.1
2700	17.9	-29.9	-13.6	-28.7	2.0	1.0	39.1	29.8	40.4	3.2
2800	17.8	-29.7	-14.7	-33.6	2.0	1.0	38.9	29.9	40.1	3.3
2900	17.6	-29.6	-16.0	-31.1	2.1	1.0	38.9	29.9	40.0	3.4
3000	17.4	-29.4	-17.7	-26.0	2.1	1.0	38.8	29.8	40.3	3.6
3100	17.2	-29.4	-19.7	-22.3	2.1	0.9	38.5	29.7	39.9	3.7
3200	17.0	-29.3	-21.9	-19.5	2.1	0.9	37.9	29.8	39.4	3.9
3300	16.8	-29.3	-22.8	-17.4	2.2	0.9	38.0	30.1	39.8	3.9
3400	16.5	-29.2	-21.4	-15.8	2.2	0.9	38.2	30.1	39.9	4.0
3500	16.2	-29.3	-19.0	-14.5	2.3	0.9	38.1	29.7	40.0	4.3
3600	15.9	-29.3	-16.6	-13.2	2.3	0.9	37.8	29.7	39.9	4.7
3700	15.5	-29.4	-14.6	-12.2	2.4	0.9	37.7	30.4	39.5	4.7
3800	15.2	-29.5	-12.8	-11.3	2.4	0.9	38.0	30.8	39.4	4.8
3900	14.7	-29.7	-11.3	-10.6	2.5	0.9	38.1	30.4	39.4	4.7
4000	14.3	-29.9	-10.0	-10.1	2.6	0.9	37.9	29.9	39.3	4.8

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} = +28 V, I_{DD} = 400 mA, V_G = -2.39 V, I_G = 0.01 mA, Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P _{OUT} = +26 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure				
(MHz)	(dB)	(dB)	(dB)	(dB)			(dBm)	(dBm)	(dBm)	(dB)
10	20.4	-57.4	-12.0	-7.4	27.1	0.9	39.5	27.5	40.3	36.8
20	20.3	-60.4	-11.9	-7.6	39.2	0.9	39.3	28.8	39.5	37.4
30	20.3	-65.1	-11.9	-7.6	67.2	0.9	39.2	27.5	39.5	38.0
40	20.3	-58.7	-11.9	-7.7	31.9	0.9	39.1	29.2	39.1	30.1
50	20.4	-56.3	-11.9	-7.7	24.1	0.9	39.4	29.9	39.4	30.2
60	20.5	-58.0	-11.9	-7.8	29.3	0.9	39.6	29.8	38.8	30.2
70	20.5	-55.4	-11.9	-8.0	21.7	0.9	39.9	29.0	39.4	34.1
80	20.5	-54.3	-11.9	-8.1	19.4	0.9	39.8	28.3	39.8	35.8
90	20.6	-52.7	-12.2	-8.2	16.0	0.9	39.5	28.7	39.9	32.3
100	20.7	-53.1	-12.1	-8.4	16.7	0.9	39.4	29.7	40.2	32.8
200	21.2	-46.4	-12.4	-9.7	7.6	0.9	39.5	30.7	40.5	21.9
300	21.4	-42.1	-11.6	-10.6	4.6	1.0	39.3	31.4	39.8	12.0
400	21.4	-39.7	-9.3	-11.2	3.3	1.0	39.6	31.1	40.0	18.6
500	20.1	-38.8	-7.5	-12.0	3.3	1.1	39.9	31.8	39.8	20.2
600	18.7	-39.1	-7.3	-12.1	4.0	1.1	40.2	33.0	39.9	15.0
700	17.2	-38.9	-7.7	-12.0	4.7	1.1	40.7	33.3	39.4	9.8
800	16.7	-38.3	-8.6	-11.7	4.8	1.1	40.8	33.6	39.6	9.7
900	16.7	-37.4	-9.8	-11.4	4.6	1.0	40.5	32.6	40.4	13.6
1000	16.7	-36.5	-10.9	-11.2	4.2	1.0	40.2	31.1	40.7	6.0
1100	16.8	-35.8	-12.2	-10.9	3.9	0.9	39.9	28.1	40.1	6.8
1200	17.0	-34.9	-13.3	-11.0	3.6	0.9	39.7	26.8	39.6	4.4
1300	17.1	-34.2	-14.0	-11.1	3.3	0.9	39.4	26.5	39.9	3.7
1400	17.2	-33.6	-14.2	-11.0	3.0	0.9	41.0	26.8	40.2	3.7
1500	17.3	-33.0	-13.8	-11.2	2.8	0.9	38.7	27.1	40.5	-0.3
1600	17.4	-32.4	-13.3	-11.6	2.7	0.9	38.7	26.6	40.3	-9.2
1700	17.4	-32.0	-12.7	-12.1	2.5	0.9	38.8	26.8	40.1	6.4
1800	17.4	-31.6	-12.1	-12.4	2.4	0.9	39.0	27.4	40.5	2.5
1900	17.4	-31.1	-11.7	-12.9	2.3	1.0	39.3	28.0	40.8	2.8
2000	17.5	-30.8	-11.4	-13.7	2.2	1.0	39.6	28.3	40.5	2.6
2100	17.5	-30.5	-11.1	-14.5	2.1	1.0	39.5	27.7	40.4	1.8
2200	17.5	-30.1	-11.1	-15.6	2.1	1.0	39.3	28.2	40.3	2.5
2300	17.5	-29.9	-11.1	-16.6	2.0	1.0	40.6	28.7	40.5	5.6
2400	17.4	-29.6	-11.4	-17.8	2.0	1.0	39.9	29.1	40.6	4.3
2500	17.4	-29.3	-11.8	-19.2	2.0	1.0	39.6	29.5	40.6	2.7
2600	17.3	-29.0	-12.4	-20.9	1.9	1.0	39.1	29.3	40.5	3.1
2700	17.3	-28.9	-13.1	-22.4	1.9	1.0	38.7	29.3	40.3	3.4
2800	17.1	-28.7	-14.1	-22.9	1.9	1.0	38.8	29.0	40.0	2.8
2900	17.0	-28.5	-15.3	-22.1	1.9	1.0	38.6	29.0	40.0	3.1
3000	16.9	-28.4	-16.8	-20.4	1.9	0.9	38.6	29.1	40.2	3.2
3100	16.7	-28.3	-18.5	-18.7	2.0	0.9	38.8	28.8	39.8	3.0
3200	16.5	-28.2	-20.3	-17.0	2.0	0.9	38.4	28.9	39.2	3.2
3300	16.3	-28.1	-21.5	-15.6	2.0	0.9	38.4	29.3	39.7	3.7
3400	16.0	-28.1	-21.0	-14.2	2.0	0.9	38.7	29.6	39.9	4.1
3500	15.7	-28.1	-19.1	-13.1	2.1	0.9	38.7	29.4	40.0	4.1
3600	15.4	-28.2	-17.0	-12.1	2.1	0.9	38.3	29.5	39.9	4.6
3700	15.1	-28.2	-15.0	-11.2	2.2	0.9	38.0	30.6	39.5	3.3
3800	14.7	-28.3	-13.2	-10.4	2.2	0.9	38.3	31.4	39.3	4.3
3900	14.3	-28.5	-11.7	-9.7	2.3	0.9	38.6	31.2	39.3	3.3
4000	13.9	-28.7	-10.4	-9.2	2.4	0.9	38.5	31.0	39.3	3.3

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} = +28 V, I_{DD} = 400 mA, V_G = -2 V, I_G = 0.01 mA, Temperature = -55°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output P _{OUT} = +26 dBm/Tone	1dB Comp. Output	P _{SAT} Output	Noise Figure
					K	Measure				
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
10	22.8	-70.4	-11.9	-11.3	104.4	1.0	43.6	33.6	39.0	35.3
20	22.7	-70.1	-11.9	-11.5	101.6	1.0	42.9	35.7	40.0	33.0
30	22.7	-62.0	-11.9	-11.7	40.0	1.0	43.1	35.5	40.4	30.6
40	22.7	-66.6	-11.8	-11.8	68.0	1.0	43.6	34.9	39.7	29.3
50	22.8	-60.6	-11.8	-11.8	34.0	1.0	44.0	34.1	39.3	27.4
60	22.8	-57.1	-11.8	-11.9	22.7	1.0	44.0	33.1	38.8	29.8
70	22.8	-57.0	-11.8	-12.0	22.4	1.0	44.0	34.7	40.1	31.2
80	22.7	-57.1	-11.8	-12.2	22.8	1.0	43.9	34.6	40.2	29.1
90	22.8	-55.0	-12.0	-12.2	17.9	1.0	43.5	34.4	40.1	26.9
100	22.9	-54.1	-11.9	-12.3	16.0	1.0	43.8	34.3	40.3	25.8
200	23.2	-48.0	-12.0	-12.8	7.7	1.0	43.2	34.4	40.5	19.7
300	23.4	-44.4	-11.0	-12.9	4.9	1.0	42.3	34.3	40.0	17.7
400	23.2	-42.0	-8.7	-12.7	3.6	1.1	41.5	33.9	40.1	15.3
500	21.9	-41.2	-7.1	-13.1	3.5	1.1	40.5	33.5	40.0	18.8
600	20.4	-41.4	-6.8	-13.2	4.2	1.1	39.4	33.7	40.0	12.5
700	19.2	-41.1	-7.1	-13.1	4.8	1.1	39.8	33.6	39.8	6.2
800	18.7	-40.3	-7.9	-12.8	4.9	1.1	40.3	33.7	40.1	5.9
900	18.7	-39.5	-9.0	-12.5	4.6	1.0	40.5	33.7	40.6	5.2
1000	18.7	-38.6	-10.1	-12.3	4.3	1.0	40.2	33.3	40.9	4.9
1100	18.9	-37.7	-11.3	-12.0	3.9	1.0	39.8	32.9	40.4	4.4
1200	19.1	-36.9	-12.5	-12.0	3.6	1.0	39.5	32.8	40.0	4.0
1300	19.2	-36.3	-13.3	-12.3	3.3	1.0	39.9	32.9	40.2	3.5
1400	19.3	-35.6	-13.7	-12.1	3.1	0.9	40.5	33.1	40.5	3.1
1500	19.4	-35.1	-13.6	-12.3	2.9	0.9	40.5	33.0	40.7	2.9
1600	19.4	-34.5	-13.2	-12.8	2.7	0.9	40.3	32.9	40.5	2.7
1700	19.4	-34.2	-12.8	-13.3	2.6	1.0	40.5	33.0	40.3	2.5
1800	19.4	-33.7	-12.2	-13.6	2.5	1.0	41.1	33.1	40.7	2.5
1900	19.4	-33.4	-11.9	-14.1	2.4	1.0	41.4	33.2	40.9	2.3
2000	19.4	-33.1	-11.6	-14.8	2.3	1.0	41.5	33.2	40.7	2.4
2100	19.3	-32.8	-11.4	-15.6	2.3	1.0	41.5	33.3	40.6	2.4
2200	19.2	-32.5	-11.3	-16.7	2.2	1.0	41.5	33.4	40.6	2.4
2300	19.2	-32.3	-11.4	-17.6	2.2	1.0	42.0	33.7	40.8	2.4
2400	19.1	-32.0	-11.7	-18.9	2.2	1.0	41.1	33.9	40.9	2.6
2500	19.0	-31.8	-12.2	-20.6	2.2	1.0	41.0	34.0	40.8	2.5
2600	18.9	-31.7	-12.9	-22.9	2.2	1.0	41.4	34.0	40.8	2.6
2700	18.8	-31.4	-13.7	-26.2	2.2	1.0	42.2	34.0	40.8	2.7
2800	18.7	-31.3	-14.9	-30.6	2.2	1.0	42.1	34.1	40.5	2.8
2900	18.5	-31.2	-16.4	-35.8	2.2	1.0	42.0	34.2	40.5	2.8
3000	18.3	-31.0	-18.2	-31.5	2.2	1.0	41.7	34.0	40.7	3.0
3100	18.2	-30.9	-20.5	-26.0	2.3	1.0	41.5	34.0	40.6	3.2
3200	17.9	-30.9	-23.2	-22.1	2.3	1.0	41.1	34.1	40.1	3.2
3300	17.7	-30.9	-24.6	-19.5	2.4	0.9	41.0	34.2	40.1	3.4
3400	17.4	-30.9	-22.7	-17.5	2.4	0.9	41.0	34.2	40.4	3.3
3500	17.1	-30.8	-19.6	-16.0	2.4	0.9	40.4	33.8	40.5	3.6
3600	16.8	-30.9	-16.9	-14.5	2.5	0.9	39.8	33.7	40.3	4.0
3700	16.4	-31.0	-14.7	-13.3	2.6	0.9	39.6	34.1	39.9	3.9
3800	16.0	-31.1	-12.7	-12.3	2.7	0.9	39.9	34.4	39.9	4.1
3900	15.6	-31.2	-11.1	-11.5	2.7	1.0	39.6	34.1	39.9	4.0
4000	15.1	-31.4	-9.8	-10.9	2.8	1.0	38.9	33.9	40.0	4.0

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: $V_{DD} = +28\text{ V}$, $I_{DD} = 400\text{ mA}$, $V_G = -2\text{ V}$, $I_G = 0.01\text{ mA}$, Temperature = $+95^\circ\text{C}$

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output $P_{OUT} = +26$ dBm/Tone	1dB Comp. Output	P_{SAT} Output	Noise Figure
					K	Measure				
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
10	20.3	-55.6	-11.8	-10.0	24.3	1.0	44.4	35.5	40.9	37.2
20	20.2	-84.0	-11.8	-10.4	655.7	1.0	43.0	35.0	39.7	35.5
30	20.2	-63.7	-11.8	-10.6	63.2	1.0	43.4	35.6	39.8	33.8
40	20.3	-58.7	-11.9	-10.7	35.6	1.0	43.8	35.6	39.2	29.2
50	20.3	-56.9	-11.9	-10.8	28.8	1.0	43.7	35.5	39.1	27.3
60	20.3	-55.4	-11.9	-10.9	24.4	1.0	43.8	35.6	39.2	34.0
70	20.3	-56.3	-11.9	-11.0	27.1	1.0	43.8	35.6	39.5	31.7
80	20.3	-54.3	-11.9	-11.2	21.7	1.0	43.8	35.6	39.7	32.3
90	20.4	-53.6	-12.2	-11.2	19.9	1.0	43.6	35.6	39.9	31.5
100	20.4	-51.3	-12.0	-11.4	15.0	1.0	43.9	35.4	40.4	29.7
200	20.8	-45.6	-12.3	-12.0	7.7	1.0	43.3	35.2	40.1	23.6
300	20.9	-42.2	-11.4	-12.2	5.0	1.0	42.7	35.0	39.7	19.5
400	20.8	-39.4	-9.2	-12.2	3.5	1.1	42.0	34.9	40.0	15.1
500	19.5	-38.9	-7.5	-12.7	3.6	1.1	40.9	34.8	39.9	16.1
600	18.1	-38.6	-7.4	-12.8	4.1	1.1	39.6	34.7	39.8	11.8
700	16.8	-38.7	-7.8	-12.8	5.0	1.1	40.1	34.8	39.6	7.4
800	16.3	-37.8	-8.7	-12.5	4.9	1.1	40.8	34.5	39.7	8.2
900	16.3	-37.0	-9.9	-12.3	4.7	1.0	41.2	34.5	40.3	7.0
1000	16.3	-36.0	-11.0	-12.2	4.3	1.0	40.9	34.3	40.4	7.3
1100	16.5	-35.2	-12.4	-11.7	3.9	1.0	40.4	34.1	40.0	6.1
1200	16.7	-34.3	-13.5	-11.8	3.5	0.9	40.0	33.7	39.6	5.8
1300	16.9	-33.4	-14.2	-12.4	3.2	0.9	40.5	33.3	39.8	5.0
1400	17.0	-32.7	-14.3	-11.8	2.9	0.9	41.2	33.4	40.1	4.6
1500	17.1	-32.1	-14.0	-12.1	2.7	0.9	41.3	33.7	40.4	4.3
1600	17.1	-31.8	-13.4	-12.9	2.6	0.9	41.1	33.9	40.2	4.1
1700	17.1	-31.3	-12.8	-13.7	2.5	1.0	41.3	33.9	40.1	4.0
1800	17.1	-30.8	-12.3	-14.1	2.3	1.0	41.9	33.9	40.4	4.0
1900	17.1	-30.4	-11.9	-14.7	2.2	1.0	42.2	34.2	40.7	3.8
2000	17.1	-30.1	-11.6	-15.8	2.2	1.0	42.3	34.5	40.5	3.8
2100	17.0	-29.8	-11.4	-17.2	2.1	1.0	42.2	34.6	40.3	3.9
2200	16.9	-29.5	-11.4	-18.9	2.1	1.0	40.7	34.7	40.2	3.9
2300	16.9	-29.2	-11.5	-20.4	2.0	1.0	41.2	34.8	40.3	4.0
2400	16.8	-29.0	-11.9	-22.5	2.0	1.0	41.9	34.8	40.3	4.1
2500	16.7	-28.9	-12.4	-25.7	2.0	1.0	42.3	34.9	40.3	4.3
2600	16.6	-28.6	-13.2	-32.6	2.0	1.0	42.0	34.8	40.2	4.4
2700	16.4	-28.4	-14.2	-42.8	2.0	1.0	41.9	34.8	40.0	4.5
2800	16.2	-28.3	-15.4	-30.4	2.1	1.0	41.5	34.7	39.6	4.6
2900	16.1	-28.2	-16.9	-25.4	2.1	1.0	41.4	34.6	39.6	4.8
3000	15.9	-28.1	-18.7	-22.4	2.1	1.0	41.3	34.6	39.7	4.9
3100	15.6	-28.0	-20.6	-19.6	2.2	0.9	40.3	34.7	39.3	5.1
3200	15.4	-28.0	-22.0	-17.4	2.2	0.9	40.4	34.5	38.8	5.3
3300	15.1	-28.0	-21.6	-15.7	2.2	0.9	40.2	34.5	39.3	5.4
3400	14.8	-28.1	-19.7	-14.4	2.3	0.9	40.4	34.5	39.4	5.3
3500	14.5	-28.1	-17.5	-13.5	2.3	0.9	39.9	34.6	39.3	5.7
3600	14.2	-28.2	-15.4	-12.4	2.4	0.9	39.3	34.4	39.1	6.1
3700	13.8	-28.3	-13.7	-11.5	2.5	0.9	38.8	34.4	39.0	6.1
3800	13.4	-28.5	-12.1	-10.7	2.6	0.9	39.2	34.5	38.9	6.3
3900	12.9	-28.7	-10.8	-10.1	2.7	0.9	39.2	34.5	38.6	6.2
4000	12.4	-28.9	-9.6	-9.8	2.8	0.9	38.6	34.6	38.2	6.3

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in mA.

TEST CONDITIONS: $V_{DD} = +28\text{ V}$, $V_G = -2\text{ V}$, $I_G = 0.01\text{ mA}$

FREQ	I_{DD} at $P_{IN} = +10\text{ dBm}$ Temperature = $+25^\circ\text{C}$	I_{DD} at $P_{IN} = +10\text{ dBm}$ Temperature = -55°C	I_{DD} at $P_{IN} = +10\text{ dBm}$ Temperature = $+95^\circ\text{C}$	I_{DD} at $P_{IN} = +15\text{ dBm}$ Temperature = $+25^\circ\text{C}$	I_{DD} at $P_{IN} = +15\text{ dBm}$ Temperature = -55°C	I_{DD} at $P_{IN} = +15\text{ dBm}$ Temperature = $+95^\circ\text{C}$	I_{DD} at $P_{IN} = +18\text{ dBm}$ Temperature = $+25^\circ\text{C}$	I_{DD} at $P_{IN} = +18\text{ dBm}$ Temperature = -55°C	I_{DD} at $P_{IN} = +18\text{ dBm}$ Temperature = $+95^\circ\text{C}$
(MHz)	+10			+15			+18		
10	312.3	289.0	330.4	330.2	334.8	323.5	375.5	388.2	358.7
30	304.4	281.2	324.8	320.9	323.5	316.8	364.6	375.4	351.3
100	280.5	254.8	304.3	292.9	298.4	288.3	385.2	404.3	365.7
500	309.3	286.3	326.6	332.3	340.2	322.9	411.8	426.3	385.9
1000	354.1	336.0	363.7	374.1	382.0	366.8	431.2	455.6	406.6
1500	357.3	341.2	366.0	395.2	413.1	377.6	469.8	501.7	434.3
2000	348.5	327.7	357.6	377.1	394.0	365.1	448.8	482.4	417.9
2500	337.9	313.2	352.0	348.4	360.7	343.7	410.2	438.1	382.6
2700	337.6	311.2	353.2	337.1	342.4	338.0	393.0	417.0	370.1
3000	334.9	306.3	351.3	334.8	342.9	335.5	390.9	418.1	367.4
3500	340.7	311.3	356.2	331.0	329.8	337.3	373.8	392.4	357.1
4000	349.6	320.2	362.1	334.3	325.7	344.4	365.4	375.5	356.6

FREQ	I_{DD} at $P_{IN} = +20\text{ dBm}$ Temperature = $+25^\circ\text{C}$	I_{DD} at $P_{IN} = +20\text{ dBm}$ Temperature = -55°C	I_{DD} at $P_{IN} = +20\text{ dBm}$ Temperature = $+95^\circ\text{C}$	I_{DD} at $P_{IN} = +22\text{ dBm}$ Temperature = $+25^\circ\text{C}$	I_{DD} at $P_{IN} = +22\text{ dBm}$ Temperature = -55°C	I_{DD} at $P_{IN} = +22\text{ dBm}$ Temperature = $+95^\circ\text{C}$	I_{DD} at $P_{IN} = +24\text{ dBm}$ Temperature = $+25^\circ\text{C}$	I_{DD} at $P_{IN} = +24\text{ dBm}$ Temperature = -55°C	I_{DD} at $P_{IN} = +24\text{ dBm}$ Temperature = $+95^\circ\text{C}$
(MHz)	+20			+22			+24		
10	413.5	426.3	393.7	444.5	457.9	427.4	471.3	483.1	454.2
30	400.9	413.2	384.1	434.6	446.6	417.9	463.1	477.4	446.3
100	432.7	454.5	409.3	476.5	494.8	454.2	510.4	527.8	490.1
500	460.4	481.3	424.0	508.2	525.6	473.4	544.8	559.2	513.5
1000	490.7	523.4	454.2	564.5	604.5	516.3	650.7	684.5	596.5
1500	537.4	580.1	491.8	620.0	674.6	563.9	712.3	756.2	650.9
2000	514.9	558.9	472.7	595.4	645.4	541.8	680.4	715.4	624.3
2500	470.2	505.6	431.8	541.3	584.2	495.7	627.1	667.8	571.8
2700	449.1	481.8	414.9	519.5	560.1	475.9	604.8	647.0	550.9
3000	447.9	484.9	412.4	520.3	564.3	474.5	605.4	650.6	549.0
3500	422.3	453.2	393.8	487.9	530.1	445.9	568.2	618.1	514.2
4000	404.8	425.7	384.1	458.8	492.6	427.0	529.8	573.7	483.5

FREQ	I_{DD} at $P_{IN} = +26\text{ dBm}$ Temperature = $+25^\circ\text{C}$	I_{DD} at $P_{IN} = +26\text{ dBm}$ Temperature = -55°C	I_{DD} at $P_{IN} = +26\text{ dBm}$ Temperature = $+95^\circ\text{C}$	I_{DD} at $P_{IN} = +28\text{ dBm}$ Temperature = $+25^\circ\text{C}$	I_{DD} at $P_{IN} = +28\text{ dBm}$ Temperature = -55°C	I_{DD} at $P_{IN} = +28\text{ dBm}$ Temperature = $+95^\circ\text{C}$	I_{DD} at $P_{IN} = +30\text{ dBm}$ Temperature = $+25^\circ\text{C}$	I_{DD} at $P_{IN} = +30\text{ dBm}$ Temperature = -55°C	I_{DD} at $P_{IN} = +30\text{ dBm}$ Temperature = $+95^\circ\text{C}$
(MHz)	+26			+28			+30		
10	486.0	499.5	471.3	491.7	504.2	476.7	486.0	502.1	476.7
30	485.7	497.7	470.1	490.4	501.0	474.9	486.3	490.6	473.7
100	539.6	554.0	518.7	552.0	561.5	533.2	543.2	545.9	531.8
500	554.9	561.4	542.6	548.2	551.2	543.4	544.9	544.0	544.9
1000	727.2	752.5	677.5	779.3	785.3	746.4	798.7	794.0	785.8
1500	785.8	816.2	735.7	838.7	845.9	801.4	857.3	838.4	843.9
2000	760.6	760.6	701.1	784.3	788.6	753.1	801.7	780.1	792.0
2500	709.7	735.3	654.8	767.2	778.6	725.0	808.1	793.6	779.7
2700	694.0	729.3	634.5	763.7	780.9	707.8	803.6	804.3	756.8
3000	694.2	729.3	632.5	765.1	782.3	709.7	809.5	802.0	759.2
3500	658.6	706.4	592.4	740.0	778.9	669.2	803.4	819.2	734.7
4000	611.0	662.0	550.7	693.1	748.2	620.4	764.5	813.9	690.0

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in mA.

TEST CONDITIONS: $V_{DD} = +28\text{ V}$, $I_{DD} = 400\text{ mA}$, $V_G = -2\text{ V}$

FREQ	I_G at $P_{IN} = +10$ dBm Temperature = +25°C	I_G at $P_{IN} = +10$ dBm Temperature = -55°C	I_G at $P_{IN} = +10$ dBm Temperature = +95°C	I_G at $P_{IN} = +15$ dBm Temperature = +25°C	I_G at $P_{IN} = +15$ dBm Temperature = -55°C	I_G at $P_{IN} = +15$ dBm Temperature = +95°C	I_G at $P_{IN} = +18$ dBm Temperature = +25°C	I_G at $P_{IN} = +18$ dBm Temperature = -55°C	I_G at $P_{IN} = +18$ dBm Temperature = +95°C
(MHz)	+10			+15			+18		
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

FREQ	I_G at $P_{IN} = +20$ dBm Temperature = +25°C	I_G at $P_{IN} = +20$ dBm Temperature = -55°C	I_G at $P_{IN} = +20$ dBm Temperature = +95°C	I_G at $P_{IN} = +22$ dBm Temperature = +25°C	I_G at $P_{IN} = +22$ dBm Temperature = -55°C	I_G at $P_{IN} = +22$ dBm Temperature = +95°C	I_G at $P_{IN} = +24$ dBm Temperature = +25°C	I_G at $P_{IN} = +24$ dBm Temperature = -55°C	I_G at $P_{IN} = +24$ dBm Temperature = +95°C
(MHz)	+20			+22			+24		
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

FREQ	I_G at $P_{IN} = +26$ dBm Temperature = +25°C	I_G at $P_{IN} = +26$ dBm Temperature = -55°C	I_G at $P_{IN} = +26$ dBm Temperature = +95°C	I_G at $P_{IN} = +28$ dBm Temperature = +25°C	I_G at $P_{IN} = +28$ dBm Temperature = -55°C	I_G at $P_{IN} = +28$ dBm Temperature = +95°C	I_G at $P_{IN} = +30$ dBm Temperature = +25°C	I_G at $P_{IN} = +30$ dBm Temperature = -55°C	I_G at $P_{IN} = +30$ dBm Temperature = +95°C
(MHz)	+26			+28			+30		
10	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	-0.8	
30	0.0	0.0	0.0	0.0	0.0	0.0	-1.2	-1.0	
100	0.0	0.0	0.0	-0.5	-0.5	-0.2	-3.6	-3.7	
500	-4.0	-4.3	-0.9	-13.4	-13.9	-7.9	-23.8	-24.3	
1000	0.0	0.0	0.0	-1.8	-3.2	-0.2	-7.4	-9.7	
1500	0.0	0.0	0.0	-0.3	-1.0	0.0	-4.7	-6.9	
2000	0.0	0.0	0.0	0.0	-0.3	0.0	-3.5	-6.3	
2500	0.0	0.0	0.0	0.0	-0.1	0.0	-1.8	-4.1	
2700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	
3000	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-2.3	
3500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.4	
4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBm.
Tone Spacing = 1 MHz

TEST CONDITIONS: $V_{DD} = +28\text{ V}$, $I_{DD} = 400\text{ mA}$, $V_G = -2\text{ V}$, $I_G = 0.01\text{ mA}$

FREQ	Output-IP3 at $P_{OUT} = +18$ dBm/ton Temperature = +25°C	Output-IP3 at $P_{OUT} = +18$ dBm/ton Temperature = -55°C	Output-IP3 at $P_{OUT} = +18$ dBm/ton Temperature = +95°C	Output-IP3 at $P_{OUT} = +20$ dBm/ton Temperature = +25°C	Output-IP3 at $P_{OUT} = +20$ dBm/ton Temperature = -55°C	Output-IP3 at $P_{OUT} = +20$ dBm/ton Temperature = +95°C	Output-IP3 at $P_{OUT} = +22$ dBm/ton Temperature = +25°C	Output-IP3 at $P_{OUT} = +22$ dBm/ton Temperature = -55°C	Output-IP3 at $P_{OUT} = +22$ dBm/ton Temperature = +95°C
(MHz)	+18			+20			+22		
10	41.3	42.3	47.6	44.0	41.4	50.2	44.9	49.9	48.1
30	45.0	41.7	41.8	44.2	45.1	42.1	45.7	45.0	43.3
100	44.1	45.3	43.5	46.1	46.7	45.0	45.4	45.4	44.8
500	43.2	43.4	42.9	42.8	42.9	43.2	42.4	42.1	42.6
1000	43.0	42.7	43.6	42.7	42.4	43.1	42.2	41.6	42.4
1500	43.7	44.0	43.4	43.4	43.6	43.5	43.3	42.9	43.0
2000	44.7	45.1	43.1	44.5	44.6	43.5	44.2	44.1	43.5
2500	44.5	45.7	42.5	44.8	45.4	43.0	44.6	44.9	43.2
2700	44.4	45.4	42.5	44.3	45.2	42.9	44.1	44.6	43.0
3000	43.9	45.4	41.7	44.0	44.9	42.2	43.7	44.3	42.4
3500	43.2	44.0	40.9	43.1	43.6	41.7	42.6	43.1	41.5
4000	41.6	42.5	40.4	41.4	42.0	40.4	40.7	40.9	40.0

FREQ	Output-IP3 at $P_{OUT} = +24$ dBm/ton Temperature = +25°C	Output-IP3 at $P_{OUT} = +24$ dBm/ton Temperature = -55°C	Output-IP3 at $P_{OUT} = +24$ dBm/ton Temperature = +95°C	Output-IP3 at $P_{OUT} = +26$ dBm/ton Temperature = +25°C	Output-IP3 at $P_{OUT} = +26$ dBm/ton Temperature = -55°C	Output-IP3 at $P_{OUT} = +26$ dBm/ton Temperature = +95°C	Output-IP3 at $P_{OUT} = +28$ dBm/ton Temperature = +25°C	Output-IP3 at $P_{OUT} = +28$ dBm/ton Temperature = -55°C	Output-IP3 at $P_{OUT} = +28$ dBm/ton Temperature = +95°C
(MHz)	+24			+26			+28		
10	46.1	44.5	45.6	44.2	43.6	44.4	40.2	40.2	40.0
30	44.6	44.3	43.7	43.8	43.1	43.4	42.1	41.3	42.5
100	45.0	45.0	44.4	44.3	43.8	43.9	43.0	42.3	43.1
500	41.6	41.0	41.8	40.8	40.5	40.9	40.9	42.1	40.8
1000	41.4	40.7	41.7	40.7	40.2	40.9	40.4	40.4	40.3
1500	42.4	41.9	42.4	41.2	40.5	41.3	40.4	40.7	40.2
2000	43.6	43.1	43.1	42.4	41.5	42.3	41.5	41.7	41.1
2500	44.0	43.8	43.0	41.6	41.0	42.3	41.1	41.2	40.8
2700	41.5	40.6	42.0	42.5	42.2	41.9	40.7	40.8	40.6
3000	40.2	40.6	42.1	41.9	41.7	41.3	40.3	40.5	40.2
3500	41.7	41.8	40.9	40.4	40.4	39.9	39.8	39.9	39.4
4000	39.5	39.5	39.0	38.8	38.9	38.6	38.9	39.0	38.6

FREQ	Output-IP3 at $P_{OUT} = +30$ dBm/ton Temperature = +25°C	Output-IP3 at $P_{OUT} = +30$ dBm/ton Temperature = -55°C	Output-IP3 at $P_{OUT} = +30$ dBm/ton Temperature = +95°C
(MHz)	+30		
10	39.9	40.0	39.8
30	39.1	40.6	38.9
100	41.8	41.4	42.0
500	40.2	40.2	40.1
1000	40.9	40.8	40.8
1500	40.6	40.6	40.4
2000	41.6	41.7	41.3
2500	41.1	41.3	40.8
2700	40.7	40.9	40.3
3000	40.3	40.5	39.9
3500	39.9	40.1	39.5
4000	39.2	39.4	38.6

Typical Performance Data

Use

Note: Units are in dBc.

Tone Spacing = 1 MHz

TEST CONDITIONS: V_{DD} = +28 V, Temperature = +25°C

FREQ	Output-IM3 at P _{OUT} = +18 dBm/tone I _{DD} = 400 mA	Output-IM3 at P _{OUT} = +18 dBm/tone I _{DD} = 300 mA	Output-IM3 at P _{OUT} = +18 dBm/tone I _{DD} = 200 mA	Output-IM3 at P _{OUT} = +18 dBm/tone I _{DD} = 100 mA	Output-IM3 at P _{OUT} = +20 dBm/tone I _{DD} = 400 mA	Output-IM3 at P _{OUT} = +20 dBm/tone I _{DD} = 300 mA	Output-IM3 at P _{OUT} = +20 dBm/tone I _{DD} = 200 mA	Output-IM3 at P _{OUT} = +20 dBm/tone I _{DD} = 100 mA	Output-IM3 at P _{OUT} = +22 dBm/tone I _{DD} = 400 mA	Output-IM3 at P _{OUT} = +22 dBm/tone I _{DD} = 300 mA	Output-IM3 at P _{OUT} = +22 dBm/tone I _{DD} = 200 mA	Output-IM3 at P _{OUT} = +22 dBm/tone I _{DD} = 100 mA
(MHz)	+18				+20				+22			
10	-46.7	-47.3	-44.6	-33.2	-48.1	-45.8	-42.3	-31.1	-45.8	-46.2	-33.8	-28.1
30	-53.9	-52.5	-42.2	-33.4	-48.4	-46.8	-38.0	-29.3	-47.4	-41.5	-33.2	-26.9
100	-52.2	-49.9	-45.2	-34.2	-52.1	-45.8	-40.4	-30.1	-46.8	-42.5	-34.8	-28.0
500	-50.4	-46.2	-39.4	-32.9	-45.6	-41.1	-34.8	-31.2	-40.7	-35.7	-30.9	-30.0
1000	-50.0	-45.2	-38.4	-30.9	-45.3	-40.4	-33.6	-29.2	-40.3	-35.0	-29.4	-28.7
1500	-51.5	-47.2	-39.4	-28.5	-46.9	-42.2	-34.1	-26.7	-42.5	-36.7	-28.5	-26.0
2000	-53.3	-49.4	-41.7	-30.4	-48.9	-44.4	-36.2	-28.1	-44.5	-38.9	-30.5	-27.3
2500	-53.0	-50.2	-43.5	-32.2	-49.5	-45.5	-38.0	-29.4	-45.1	-40.2	-32.3	-28.0
2700	-52.8	-49.5	-43.0	-32.1	-48.6	-44.9	-37.6	-29.1	-44.2	-39.6	-32.0	-27.6
3000	-51.7	-48.5	-42.6	-31.8	-48.0	-44.5	-37.1	-29.1	-43.3	-39.0	-31.4	-27.6
3500	-50.3	-47.2	-40.5	-31.2	-46.2	-42.3	-34.6	-29.2	-41.2	-36.2	-29.7	-28.2
4000	-47.3	-44.0	-36.4	-30.8	-42.9	-38.2	-31.3	-29.8	-37.4	-32.0	-28.2	-29.1

FREQ	Output-IM3 at P _{OUT} = +24 dBm/tone I _{DD} = 400 mA	Output-IM3 at P _{OUT} = +24 dBm/tone I _{DD} = 300 mA	Output-IM3 at P _{OUT} = +24 dBm/tone I _{DD} = 200 mA	Output-IM3 at P _{OUT} = +24 dBm/tone I _{DD} = 100 mA	Output-IM3 at P _{OUT} = +26 dBm/tone I _{DD} = 400 mA	Output-IM3 at P _{OUT} = +26 dBm/tone I _{DD} = 300 mA	Output-IM3 at P _{OUT} = +26 dBm/tone I _{DD} = 200 mA	Output-IM3 at P _{OUT} = +26 dBm/tone I _{DD} = 100 mA	Output-IM3 at P _{OUT} = +28 dBm/tone I _{DD} = 400 mA	Output-IM3 at P _{OUT} = +28 dBm/tone I _{DD} = 300 mA	Output-IM3 at P _{OUT} = +28 dBm/tone I _{DD} = 200 mA	Output-IM3 at P _{OUT} = +28 dBm/tone I _{DD} = 100 mA
(MHz)	+24				+26				+28			
10	-44.2	-35.7	-28.5	-27.5	-36.3	-30.0	-25.1	-27.1	-24.3	-24.3	-24.3	-24.4
30	-41.2	-35.9	-27.9	-26.5	-35.5	-28.9	-24.2	-26.3	-28.3	-23.4	-22.4	-25.4
100	-42.1	-36.7	-29.3	-27.2	-36.7	-30.6	-25.3	-26.8	-30.0	-24.9	-23.3	-26.1
500	-35.2	-30.7	-28.4	-28.9	-29.6	-27.3	-26.4	-27.8	-25.7	-24.8	-24.2	-26.1
1000	-34.9	-30.1	-26.6	-28.8	-29.5	-25.9	-25.3	-28.5	-24.8	-23.6	-24.2	-27.2
1500	-36.9	-30.4	-24.9	-25.9	-30.4	-25.0	-23.3	-25.4	-24.9	-24.5	-24.6	-25.5
2000	-39.2	-32.7	-26.5	-27.2	-32.7	-26.9	-24.7	-27.1	-26.9	-26.5	-26.8	-27.9
2500	-40.0	-34.2	-27.9	-27.5	-31.2	-28.0	-28.1	-27.2	-26.1	-24.9	-24.6	-25.2
2700	-35.0	-31.1	-28.4	-28.5	-33.0	-27.6	-26.2	-25.4	-25.4	-23.7	-23.0	-23.9
3000	-32.5	-30.6	-28.2	-29.3	-31.8	-26.9	-25.7	-25.2	-24.6	-23.1	-22.4	-23.1
3500	-35.4	-30.0	-26.6	-27.2	-28.7	-25.5	-24.2	-25.4	-23.6	-22.1	-21.8	-22.7
4000	-30.9	-27.4	-26.0	-27.6	-25.7	-24.0	-23.8	-25.1	-21.8	-21.5	-21.4	-21.8

FREQ	Output-IM3 at P _{OUT} = +30 dBm/tone I _{DD} = 400 mA	Output-IM3 at P _{OUT} = +30 dBm/tone I _{DD} = 300 mA	Output-IM3 at P _{OUT} = +30 dBm/tone I _{DD} = 200 mA	Output-IM3 at P _{OUT} = +30 dBm/tone I _{DD} = 100 mA
(MHz)	+30			
10	-19.8	-19.8	-21.6	-20.1
30	-18.2	-17.9	-20.5	-17.5
100	-23.6	-21.6	-21.8	-24.2
500	-20.5	-20.2	-21.8	-19.5
1000	-21.7	-21.6	-22.3	-21.3
1500	-21.2	-20.7	-20.3	-21.3
2000	-23.2	-22.8	-22.1	-23.9
2500	-22.2	-21.4	-21.1	-21.8
2700	-21.3	-20.1	-19.8	-20.5
3000	-20.6	-19.5	-19.1	-19.8
3500	-19.9	-19.3	-19.0	-19.4
4000	-18.3	-17.9	-17.8	-18.1

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBc.
Tone Spacing = 1 MHz

TEST CONDITIONS: $V_{DD} = +28\text{ V}$, $I_{DD} = 400\text{ mA}$, $V_G = -2\text{ V}$, $I_G = 0.01\text{ mA}$

FREQ	Output-IM3 at $P_{OUT} = +18$ dBm/tone Temperature = +25°C	Output-IM3 at $P_{OUT} = +18$ dBm/tone Temperature = -55°C	Output-IM3 at $P_{OUT} = +18$ dBm/tone Temperature = +95°C	Output-IM3 at $P_{OUT} = +20$ dBm/tone Temperature = +25°C	Output-IM3 at $P_{OUT} = +20$ dBm/tone Temperature = -55°C	Output-IM3 at $P_{OUT} = +20$ dBm/tone Temperature = +95°C	Output-IM3 at $P_{OUT} = +22$ dBm/tone Temperature = +25°C	Output-IM3 at $P_{OUT} = +22$ dBm/tone Temperature = -55°C	Output-IM3 at $P_{OUT} = +22$ dBm/tone Temperature = +95°C
(MHz)	+18			+20			+22		
10	-46.7	-48.6	-59.3	-48.1	-42.8	-60.4	-45.8	-55.8	-52.2
30	-53.9	-47.3	-47.6	-48.4	-50.2	-44.2	-47.4	-45.9	-42.7
100	-52.2	-54.6	-51.0	-52.1	-53.4	-50.0	-46.8	-46.7	-45.6
500	-50.4	-50.9	-49.7	-45.6	-45.7	-46.5	-40.7	-40.2	-41.3
1000	-50.0	-49.5	-51.2	-45.3	-44.7	-46.2	-40.3	-39.2	-40.9
1500	-51.5	-52.1	-50.9	-46.9	-47.2	-47.0	-42.5	-41.8	-42.0
2000	-53.3	-54.3	-50.3	-48.9	-49.2	-47.1	-44.5	-44.2	-43.0
2500	-53.0	-55.3	-49.1	-49.5	-50.9	-46.0	-45.1	-45.8	-42.4
2700	-52.8	-54.7	-49.0	-48.6	-50.5	-45.9	-44.2	-45.1	-42.0
3000	-51.7	-54.7	-47.4	-48.0	-49.9	-44.4	-43.3	-44.7	-40.8
3500	-50.3	-52.0	-45.8	-46.2	-47.3	-43.3	-41.2	-42.1	-38.9
4000	-47.3	-49.0	-44.7	-42.9	-44.0	-40.9	-37.4	-37.8	-35.9

FREQ	Output-IM3 at $P_{OUT} = +24$ dBm/tone Temperature = +25°C	Output-IM3 at $P_{OUT} = +24$ dBm/tone Temperature = -55°C	Output-IM3 at $P_{OUT} = +24$ dBm/tone Temperature = +95°C	Output-IM3 at $P_{OUT} = +26$ dBm/tone Temperature = +25°C	Output-IM3 at $P_{OUT} = +26$ dBm/tone Temperature = -55°C	Output-IM3 at $P_{OUT} = +26$ dBm/tone Temperature = +95°C	Output-IM3 at $P_{OUT} = +28$ dBm/tone Temperature = +25°C	Output-IM3 at $P_{OUT} = +28$ dBm/tone Temperature = -55°C	Output-IM3 at $P_{OUT} = +28$ dBm/tone Temperature = +95°C
(MHz)	+24			+26			+28		
10	-44.2	-41.0	-43.2	-36.3	-35.2	-36.8	-24.3	-24.5	-24.1
30	-41.2	-40.7	-39.4	-35.5	-34.2	-34.7	-28.3	-26.6	-29.0
100	-42.1	-42.0	-40.9	-36.7	-35.7	-35.8	-30.0	-28.7	-30.2
500	-35.2	-34.0	-35.6	-29.6	-28.9	-29.9	-25.7	-28.3	-25.5
1000	-34.9	-33.5	-35.4	-29.5	-28.4	-29.7	-24.8	-24.7	-24.5
1500	-36.9	-35.8	-36.7	-30.4	-29.0	-30.5	-24.9	-25.3	-24.5
2000	-39.2	-38.2	-38.2	-32.7	-31.0	-32.5	-26.9	-27.4	-26.2
2500	-40.0	-39.7	-38.1	-31.2	-30.1	-32.7	-26.1	-26.4	-25.7
2700	-35.0	-33.2	-36.0	-33.0	-32.4	-31.8	-25.4	-25.7	-25.2
3000	-32.5	-33.2	-36.3	-31.8	-31.4	-30.5	-24.6	-25.0	-24.4
3500	-35.4	-33.5	-33.8	-28.7	-28.7	-27.8	-23.6	-23.8	-22.8
4000	-30.9	-31.0	-30.0	-25.7	-25.9	-25.1	-21.8	-22.1	-21.1

FREQ	Output-IM3 at $P_{OUT} = +30$ dBm/tone Temperature = +25°C	Output-IM3 at $P_{OUT} = +30$ dBm/tone Temperature = -55°C	Output-IM3 at $P_{OUT} = +30$ dBm/tone Temperature = +95°C
(MHz)	+30		
10	-19.8	-20.0	-19.6
30	-18.2	-21.1	-17.7
100	-23.6	-22.8	-24.0
500	-20.5	-20.4	-20.3
1000	-21.7	-21.6	-21.6
1500	-21.2	-21.3	-20.9
2000	-23.2	-23.4	-22.6
2500	-22.2	-22.7	-21.6
2700	-21.3	-21.8	-20.7
3000	-20.6	-21.1	-19.9
3500	-19.9	-20.2	-19.0
4000	-18.3	-18.8	-17.1

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBc.

Tone Spacing = 1 MHz

TEST CONDITIONS: V_{DD} = +28 V, Temperature = +25°C

FREQ	Output-IM5 at P _{OUT} = +18 dBm/tone I _{DD} = 400 mA	Output-IM5 at P _{OUT} = +18 dBm/tone I _{DD} = 300 mA	Output-IM5 at P _{OUT} = +18 dBm/tone I _{DD} = 200 mA	Output-IM5 at P _{OUT} = +18 dBm/tone I _{DD} = 100 mA	Output-IM5 at P _{OUT} = +20 dBm/tone I _{DD} = 400 mA	Output-IM5 at P _{OUT} = +20 dBm/tone I _{DD} = 300 mA	Output-IM5 at P _{OUT} = +20 dBm/tone I _{DD} = 200 mA	Output-IM5 at P _{OUT} = +20 dBm/tone I _{DD} = 100 mA	Output-IM5 at P _{OUT} = +22 dBm/tone I _{DD} = 400 mA	Output-IM5 at P _{OUT} = +22 dBm/tone I _{DD} = 300 mA	Output-IM5 at P _{OUT} = +22 dBm/tone I _{DD} = 200 mA	Output-IM5 at P _{OUT} = +22 dBm/tone I _{DD} = 100 mA
(MHz)	+18				+20				+22			
10	-50.3	-51.6	-45.9	-46.3	-53.1	-49.0	-69.6	-47.6	-52.2	-53.8	-55.4	-42.0
30	-53.6	-58.1	-51.8	-55.4	-61.2	-51.6	-53.2	-49.6	-60.9	-59.7	-61.2	-39.9
100	-61.4	-67.2	-66.1	-57.5	-67.1	-64.8	-61.4	-50.8	-83.5	-79.8	-65.7	-42.5
500	-76.8	-75.3	-70.5	-51.4	-79.1	-73.1	-73.3	-45.4	-70.9	-67.4	-53.1	-42.7
1000	-79.5	-76.4	-78.8	-49.4	-85.5	-69.8	-63.1	-42.8	-71.4	-65.5	-51.8	-39.2
1500	-76.9	-78.4	-68.4	-50.8	-77.7	-70.8	-62.3	-40.7	-75.9	-63.5	-59.9	-36.4
2000	-78.6	-78.2	-69.3	-55.4	-80.6	-72.1	-65.1	-43.6	-72.7	-64.0	-63.3	-38.3
2500	-85.3	-85.1	-71.6	-60.0	-76.8	-71.8	-69.5	-47.4	-74.5	-66.6	-61.7	-40.6
2700	-73.0	-74.5	-71.5	-59.7	-75.6	-76.2	-66.1	-47.2	-78.2	-67.3	-64.3	-40.6
3000	-74.3	-74.1	-71.0	-58.7	-77.6	-76.3	-64.5	-46.5	-73.6	-65.9	-63.2	-40.3
3500	-76.4	-70.7	-68.8	-51.9	-72.4	-68.1	-62.3	-43.8	-70.5	-62.1	-62.8	-39.8
4000	-69.1	-80.9	-62.9	-45.0	-73.7	-64.6	-62.1	-41.3	-62.5	-58.4	-46.6	-40.1

FREQ	Output-IM5 at P _{OUT} = +24 dBm/tone I _{DD} = 400 mA	Output-IM5 at P _{OUT} = +24 dBm/tone I _{DD} = 300 mA	Output-IM5 at P _{OUT} = +24 dBm/tone I _{DD} = 200 mA	Output-IM5 at P _{OUT} = +24 dBm/tone I _{DD} = 100 mA	Output-IM5 at P _{OUT} = +26 dBm/tone I _{DD} = 400 mA	Output-IM5 at P _{OUT} = +26 dBm/tone I _{DD} = 300 mA	Output-IM5 at P _{OUT} = +26 dBm/tone I _{DD} = 200 mA	Output-IM5 at P _{OUT} = +26 dBm/tone I _{DD} = 100 mA	Output-IM5 at P _{OUT} = +28 dBm/tone I _{DD} = 400 mA	Output-IM5 at P _{OUT} = +28 dBm/tone I _{DD} = 300 mA	Output-IM5 at P _{OUT} = +28 dBm/tone I _{DD} = 200 mA	Output-IM5 at P _{OUT} = +28 dBm/tone I _{DD} = 100 mA
(MHz)	+24				+26				+28			
10	-54.3	-53.8	-51.7	-38.3	-62.5	-53.3	-43.5	-36.0	-44.0	-44.3	-44.4	-44.4
30	-58.6	-61.1	-56.3	-37.6	-62.3	-53.7	-41.2	-37.1	-50.9	-45.9	-35.0	-39.5
100	-67.9	-62.5	-64.7	-38.0	-61.3	-59.3	-43.6	-36.7	-55.5	-50.7	-36.4	-37.9
500	-62.2	-62.7	-44.2	-41.3	-68.4	-46.2	-40.9	-41.0	-45.6	-40.7	-39.0	-42.4
1000	-62.2	-57.2	-42.6	-38.3	-56.9	-45.7	-37.7	-38.9	-45.8	-38.0	-36.2	-41.6
1500	-62.8	-54.9	-43.5	-35.2	-52.8	-53.0	-35.9	-35.8	-45.0	-43.3	-43.3	-45.7
2000	-65.6	-57.4	-47.3	-36.2	-55.5	-62.4	-37.7	-36.3	-47.7	-45.6	-45.7	-49.7
2500	-65.0	-60.1	-53.9	-37.7	-60.8	-53.9	-47.1	-38.6	-48.4	-44.1	-41.3	-43.2
2700	-64.6	-56.7	-48.2	-41.9	-55.5	-61.3	-43.7	-35.8	-52.1	-42.5	-38.0	-38.8
3000	-69.6	-65.2	-47.5	-45.7	-53.7	-64.2	-43.2	-36.2	-50.1	-41.6	-37.5	-38.7
3500	-59.2	-57.2	-44.6	-38.3	-52.7	-49.3	-38.8	-38.5	-49.1	-38.9	-36.0	-39.4
4000	-54.1	-51.5	-40.3	-40.2	-52.7	-41.2	-37.9	-40.9	-39.7	-38.8	-36.0	-42.1

FREQ	Output-IM5 at P _{OUT} = +30 dBm/tone I _{DD} = 400 mA	Output-IM5 at P _{OUT} = +30 dBm/tone I _{DD} = 300 mA	Output-IM5 at P _{OUT} = +30 dBm/tone I _{DD} = 200 mA	Output-IM5 at P _{OUT} = +30 dBm/tone I _{DD} = 100 mA
(MHz)	+30			
10	-37.0	-37.4	-33.3	-38.9
30	-34.0	-33.7	-33.5	-33.3
100	-52.6	-36.6	-33.8	-40.2
500	-37.5	-37.7	-36.3	-38.1
1000	-41.6	-42.0	-36.5	-46.6
1500	-38.0	-36.3	-33.0	-37.7
2000	-41.3	-39.4	-34.1	-43.8
2500	-41.7	-37.7	-36.4	-41.0
2700	-42.7	-35.4	-32.4	-34.1
3000	-40.8	-34.4	-31.5	-33.5
3500	-37.3	-35.6	-34.1	-38.0
4000	-33.6	-32.5	-33.1	-36.5

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBc.

Tone Spacing = 1 MHz

TEST CONDITIONS: $V_{DD} = +28\text{ V}$, $I_{DD} = 400\text{ mA}$, $V_G = -2\text{ V}$, $I_G = 0.01\text{ mA}$

FREQ	Output-IM5 at $P_{OUT} = +18$ dBm/toner Temperature = +25°C	Output-IM5 at $P_{OUT} = +18$ dBm/toner Temperature = -55°C	Output-IM5 at $P_{OUT} = +18$ dBm/toner Temperature = +95°C	Output-IM5 at $P_{OUT} = +20$ dBm/toner Temperature = +25°C	Output-IM5 at $P_{OUT} = +20$ dBm/toner Temperature = -55°C	Output-IM5 at $P_{OUT} = +20$ dBm/toner Temperature = +95°C	Output-IM5 at $P_{OUT} = +22$ dBm/toner Temperature = +25°C	Output-IM5 at $P_{OUT} = +22$ dBm/toner Temperature = -55°C	Output-IM5 at $P_{OUT} = +22$ dBm/toner Temperature = +95°C
(MHz)	+18			+20			+22		
10	-50.3	-70.5	-60.3	-53.1	-58.1	-50.7	-52.2	-48.2	-62.6
30	-53.6	-52.4	-53.3	-61.2	-60.3	-56.1	-60.9	-54.8	-60.5
100	-61.4	-64.1	-63.8	-67.1	-65.0	-69.0	-83.5	-71.0	-65.9
500	-76.8	-74.3	-67.6	-79.1	-78.2	-66.1	-70.9	-67.2	-67.3
1000	-79.5	-76.7	-72.3	-85.5	-73.6	-79.0	-71.4	-66.4	-70.4
1500	-76.9	-72.9	-72.3	-77.7	-73.6	-72.3	-75.9	-69.0	-71.3
2000	-78.6	-76.1	-73.0	-80.6	-75.1	-66.5	-72.7	-71.7	-68.4
2500	-85.3	-81.1	-65.1	-76.8	-77.5	-66.0	-74.5	-70.6	-65.1
2700	-73.0	-74.0	-68.4	-75.6	-75.1	-67.2	-78.2	-70.8	-66.8
3000	-74.3	-80.4	-70.6	-77.6	-75.6	-66.4	-73.6	-69.3	-67.2
3500	-76.4	-76.4	-68.7	-72.4	-74.0	-65.4	-70.5	-67.3	-66.3
4000	-69.1	-72.1	-64.3	-73.7	-69.1	-65.7	-62.5	-61.9	-61.9

FREQ	Output-IM5 at $P_{OUT} = +24$ dBm/toner Temperature = +25°C	Output-IM5 at $P_{OUT} = +24$ dBm/toner Temperature = -55°C	Output-IM5 at $P_{OUT} = +24$ dBm/toner Temperature = +95°C	Output-IM5 at $P_{OUT} = +26$ dBm/toner Temperature = +25°C	Output-IM5 at $P_{OUT} = +26$ dBm/toner Temperature = -55°C	Output-IM5 at $P_{OUT} = +26$ dBm/toner Temperature = +95°C	Output-IM5 at $P_{OUT} = +28$ dBm/toner Temperature = +25°C	Output-IM5 at $P_{OUT} = +28$ dBm/toner Temperature = -55°C	Output-IM5 at $P_{OUT} = +28$ dBm/toner Temperature = +95°C
(MHz)	+24			+26			+28		
10	-54.3	-56.6	-60.7	-62.5	-61.9	-54.2	-44.0	-44.5	-43.7
30	-58.6	-59.8	-63.8	-62.3	-54.0	-60.2	-50.9	-52.2	-52.7
100	-67.9	-68.5	-70.2	-61.3	-62.8	-67.5	-55.5	-55.0	-59.9
500	-62.2	-60.9	-65.4	-68.4	-58.9	-63.6	-45.6	-46.9	-46.8
1000	-62.2	-61.3	-63.0	-56.9	-53.2	-55.4	-45.8	-39.6	-47.4
1500	-62.8	-60.2	-63.5	-52.8	-51.2	-54.1	-45.0	-46.3	-44.7
2000	-65.6	-62.7	-68.1	-55.5	-52.6	-56.9	-47.7	-48.6	-47.1
2500	-65.0	-64.3	-69.0	-60.8	-59.7	-59.8	-48.4	-47.6	-52.4
2700	-64.6	-59.7	-66.7	-55.5	-55.0	-58.3	-52.1	-46.6	-63.3
3000	-69.6	-68.7	-66.7	-53.7	-53.3	-55.8	-50.1	-46.0	-58.1
3500	-59.2	-58.1	-62.6	-52.7	-54.4	-53.6	-49.1	-47.0	-42.5
4000	-54.1	-54.7	-53.4	-52.7	-51.3	-50.3	-39.7	-39.3	-38.6

FREQ	Output-IM5 at $P_{OUT} = +30$ dBm/toner Temperature = +25°C	Output-IM5 at $P_{OUT} = +30$ dBm/toner Temperature = -55°C	Output-IM5 at $P_{OUT} = +30$ dBm/toner Temperature = +95°C
(MHz)	+30		
10	-37.0	-37.3	-36.5
30	-34.0	-36.7	-33.4
100	-52.6	-43.2	-55.7
500	-37.5	-38.1	-37.8
1000	-41.6	-42.7	-39.5
1500	-38.0	-38.5	-37.5
2000	-41.3	-41.7	-40.5
2500	-41.7	-41.0	-43.4
2700	-42.7	-39.8	-45.7
3000	-40.8	-39.1	-42.3
3500	-37.3	-38.1	-35.7
4000	-33.6	-34.5	-31.5

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dB.

TEST CONDITIONS: $V_{DD} = +28$ V, Temperature = +25°C

FREQ	Gain at $P_{IN} = +10$ dBm $I_{DD} = 400$ mA	Gain at $P_{IN} = +10$ dBm $I_{DD} = 300$ mA	Gain at $P_{IN} = +10$ dBm $I_{DD} = 200$ mA	Gain at $P_{IN} = +10$ dBm $I_{DD} = 100$ mA	Gain at $P_{IN} = +15$ dBm $I_{DD} = 400$ mA	Gain at $P_{IN} = +15$ dBm $I_{DD} = 300$ mA	Gain at $P_{IN} = +15$ dBm $I_{DD} = 200$ mA	Gain at $P_{IN} = +15$ dBm $I_{DD} = 100$ mA	Gain at $P_{IN} = +18$ dBm $I_{DD} = 400$ mA	Gain at $P_{IN} = +18$ dBm $I_{DD} = 300$ mA	Gain at $P_{IN} = +18$ dBm $I_{DD} = 200$ mA	Gain at $P_{IN} = +18$ dBm $I_{DD} = 100$ mA
(MHz)	+10				+15				+18			
10	16.7	21.1	20.1	18.2	16.5	19.8	18.8	17.4	17.5	18.7	17.9	16.9
30	21.6	21.1	20.0	18.1	20.4	19.6	18.5	17.1	19.2	18.5	17.7	16.6
100	21.4	20.9	19.9	18.1	20.3	19.5	18.6	17.3	19.2	18.5	17.8	16.9
500	21.0	20.6	19.9	18.7	20.1	19.6	19.0	18.1	19.2	18.8	18.3	17.6
1000	18.4	18.2	17.5	16.1	17.8	17.3	16.6	15.7	17.1	16.6	16.1	15.4
1500	18.6	18.3	17.5	16.0	17.8	17.2	16.4	15.3	16.8	16.3	15.7	14.9
2000	18.8	18.6	17.9	16.4	18.1	17.5	16.8	15.8	17.2	16.7	16.2	15.5
2500	18.5	18.3	17.7	16.4	17.9	17.4	16.7	15.8	17.1	16.7	16.2	15.5
2700	17.8	17.7	17.1	15.8	17.4	16.9	16.2	15.2	16.6	16.1	15.6	14.9
3000	17.9	17.8	17.3	16.0	17.5	17.0	16.4	15.4	16.7	16.3	15.8	15.1
3500	16.2	16.2	15.7	14.6	15.9	15.5	15.0	14.1	15.3	14.9	14.4	13.8
4000	14.3	14.3	14.0	12.9	14.1	13.9	13.3	12.5	13.7	13.3	12.9	12.3

FREQ	Gain at $P_{IN} = +20$ dBm $I_{DD} = 400$ mA	Gain at $P_{IN} = +20$ dBm $I_{DD} = 300$ mA	Gain at $P_{IN} = +20$ dBm $I_{DD} = 200$ mA	Gain at $P_{IN} = +20$ dBm $I_{DD} = 100$ mA	Gain at $P_{IN} = +22$ dBm $I_{DD} = 400$ mA	Gain at $P_{IN} = +22$ dBm $I_{DD} = 300$ mA	Gain at $P_{IN} = +22$ dBm $I_{DD} = 200$ mA	Gain at $P_{IN} = +22$ dBm $I_{DD} = 100$ mA	Gain at $P_{IN} = +24$ dBm $I_{DD} = 400$ mA	Gain at $P_{IN} = +24$ dBm $I_{DD} = 300$ mA	Gain at $P_{IN} = +24$ dBm $I_{DD} = 200$ mA	Gain at $P_{IN} = +24$ dBm $I_{DD} = 100$ mA
(MHz)	+20				+22				+24			
10	18.5	17.9	17.3	16.5	17.2	16.8	16.4	15.8	15.7	15.4	15.0	14.7
30	18.2	17.7	17.0	16.2	17.0	16.6	16.1	15.6	15.5	15.2	14.9	14.5
100	18.3	17.8	17.2	16.5	17.1	16.8	16.4	15.9	15.7	15.4	15.2	14.8
500	18.5	18.1	17.7	17.2	17.4	17.2	16.9	16.6	16.0	15.8	15.6	15.4
1000	16.5	16.1	15.7	15.2	15.9	15.6	15.3	14.9	15.2	15.0	14.8	14.5
1500	16.2	15.7	15.3	14.6	15.5	15.1	14.7	14.3	14.7	14.4	14.1	13.8
2000	16.6	16.3	15.8	15.3	16.0	15.7	15.4	15.0	15.3	15.0	14.8	14.5
2500	16.6	16.2	15.8	15.2	15.9	15.6	15.3	14.9	15.1	14.9	14.6	14.3
2700	16.0	15.6	15.2	14.6	15.3	15.0	14.7	14.2	14.6	14.3	14.1	13.8
3000	16.1	15.7	15.3	14.8	15.5	15.2	14.8	14.4	14.7	14.5	14.2	13.9
3500	14.8	14.4	14.0	13.5	14.2	13.9	13.6	13.2	13.5	13.3	13.0	12.7
4000	13.2	12.9	12.6	12.1	12.7	12.5	12.2	11.8	12.1	11.9	11.7	11.4

FREQ	Gain at $P_{IN} = +26$ dBm $I_{DD} = 400$ mA	Gain at $P_{IN} = +26$ dBm $I_{DD} = 300$ mA	Gain at $P_{IN} = +26$ dBm $I_{DD} = 200$ mA	Gain at $P_{IN} = +26$ dBm $I_{DD} = 100$ mA	Gain at $P_{IN} = +28$ dBm $I_{DD} = 400$ mA	Gain at $P_{IN} = +28$ dBm $I_{DD} = 300$ mA	Gain at $P_{IN} = +28$ dBm $I_{DD} = 200$ mA	Gain at $P_{IN} = +28$ dBm $I_{DD} = 100$ mA	Gain at $P_{IN} = +30$ dBm $I_{DD} = 400$ mA	Gain at $P_{IN} = +30$ dBm $I_{DD} = 300$ mA	Gain at $P_{IN} = +30$ dBm $I_{DD} = 200$ mA	Gain at $P_{IN} = +30$ dBm $I_{DD} = 100$ mA
(MHz)	+26				+28				+30			
10	14.0	13.7	13.5	13.2	12.1	11.9	11.7	11.5	10.1	10.0	9.8	9.6
30	13.8	13.6	13.4	13.1	12.0	11.8	11.6	11.4	10.0	9.8	9.7	9.5
100	14.1	13.9	13.7	13.4	12.3	12.1	12.0	11.8	10.3	10.1	10.0	9.9
500	14.3	14.2	14.0	13.9	12.3	12.2	12.1	12.0	10.3	10.2	10.2	10.1
1000	14.1	13.9	13.8	13.6	12.6	12.5	12.4	12.3	10.9	10.9	10.8	10.7
1500	13.5	13.3	13.2	12.9	12.1	12.0	11.9	11.7	10.5	10.4	10.3	10.2
2000	14.1	13.9	13.8	13.6	12.6	12.5	12.4	12.2	10.7	10.7	10.6	10.6
2500	13.9	13.8	13.7	13.5	12.4	12.3	12.2	12.1	10.7	10.6	10.6	10.5
2700	13.6	13.4	13.2	13.0	12.1	12.1	11.9	11.8	10.5	10.4	10.3	10.2
3000	13.6	13.5	13.3	13.2	12.3	12.2	12.1	12.0	10.6	10.5	10.5	10.4
3500	12.6	12.4	12.3	12.0	11.4	11.2	11.1	11.0	9.9	9.8	9.7	9.6
4000	11.3	11.2	11.0	10.8	10.2	10.1	10.0	9.8	8.9	8.8	8.8	8.6

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dB.

TEST CONDITIONS: $V_{DD} = +28\text{ V}$, $I_{DD} = 400\text{ mA}$, $V_G = -2\text{ V}$, $I_G = 0.01\text{ mA}$

FREQ	Gain at $P_{IN} = +10$ dBm Temperature = +25°C	Gain at $P_{IN} = +10$ dBm Temperature = -55°C	Gain at $P_{IN} = +10$ dBm Temperature = +95°C	Gain at $P_{IN} = +15$ dBm Temperature = +25°C	Gain at $P_{IN} = +15$ dBm Temperature = -55°C	Gain at $P_{IN} = +15$ dBm Temperature = +95°C	Gain at $P_{IN} = +18$ dBm Temperature = +25°C	Gain at $P_{IN} = +18$ dBm Temperature = -55°C	Gain at $P_{IN} = +18$ dBm Temperature = +95°C
(MHz)	+10			+15			+18		
10	16.7	22.7	20.0	16.5	21.2	19.5	17.5	20.0	18.6
30	21.6	22.7	20.1	20.4	21.0	19.5	19.2	19.7	18.5
100	21.4	22.5	19.9	20.3	21.0	19.3	19.2	19.8	18.4
500	21.0	22.0	19.2	20.1	20.9	18.6	19.2	20.0	17.9
1000	18.4	19.8	16.9	17.8	18.8	16.6	17.1	18.0	15.9
1500	18.6	19.8	17.1	17.8	18.6	16.6	16.8	17.7	15.8
2000	18.8	20.1	17.4	18.1	18.9	17.0	17.2	18.0	16.3
2500	18.5	19.8	16.9	17.9	18.9	16.7	17.1	18.1	16.1
2700	17.8	19.2	16.3	17.4	18.4	16.1	16.6	17.6	15.5
3000	17.9	19.4	16.3	17.5	18.6	16.1	16.7	17.8	15.6
3500	16.2	17.9	14.4	15.9	17.3	14.4	15.3	16.6	14.0
4000	14.3	16.1	12.4	14.1	15.7	12.5	13.7	15.1	12.2

FREQ	Gain at $P_{IN} = +20$ dBm Temperature = +25°C	Gain at $P_{IN} = +20$ dBm Temperature = -55°C	Gain at $P_{IN} = +20$ dBm Temperature = +95°C	Gain at $P_{IN} = +22$ dBm Temperature = +25°C	Gain at $P_{IN} = +22$ dBm Temperature = -55°C	Gain at $P_{IN} = +22$ dBm Temperature = +95°C	Gain at $P_{IN} = +24$ dBm Temperature = +25°C	Gain at $P_{IN} = +24$ dBm Temperature = -55°C	Gain at $P_{IN} = +24$ dBm Temperature = +95°C
(MHz)	+20			+22			+24		
10	18.5	18.9	17.8	17.2	17.5	16.7	15.7	16.0	15.3
30	18.2	18.7	17.6	17.0	17.3	16.5	15.5	15.8	15.1
100	18.3	18.8	17.6	17.1	17.5	16.6	15.7	16.0	15.2
500	18.5	19.1	17.4	17.4	17.9	16.6	16.0	16.4	15.4
1000	16.5	17.5	15.4	15.9	16.8	14.8	15.2	15.9	14.2
1500	16.2	17.0	15.2	15.5	16.3	14.5	14.7	15.3	13.8
2000	16.6	17.4	15.7	16.0	16.7	15.1	15.3	15.7	14.4
2500	16.6	17.4	15.5	15.9	16.7	14.9	15.1	15.7	14.1
2700	16.0	16.9	15.0	15.3	16.2	14.3	14.6	15.3	13.6
3000	16.1	17.2	15.0	15.5	16.4	14.3	14.7	15.5	13.6
3500	14.8	16.0	13.5	14.2	15.3	12.9	13.5	14.5	12.3
4000	13.2	14.6	11.8	12.7	14.0	11.3	12.1	13.3	10.7

FREQ	Gain at $P_{IN} = +26$ dBm Temperature = +25°C	Gain at $P_{IN} = +26$ dBm Temperature = -55°C	Gain at $P_{IN} = +26$ dBm Temperature = +95°C	Gain at $P_{IN} = +28$ dBm Temperature = +25°C	Gain at $P_{IN} = +28$ dBm Temperature = -55°C	Gain at $P_{IN} = +28$ dBm Temperature = +95°C	Gain at $P_{IN} = +30$ dBm Temperature = +25°C	Gain at $P_{IN} = +30$ dBm Temperature = -55°C	Gain at $P_{IN} = +30$ dBm Temperature = +95°C
(MHz)	+26			+28			+30		
10	14.0	14.2	13.6	12.1	12.3	11.8	10.1	10.3	9.8
30	14.0	14.3	13.5	12.0	12.2	11.7	10.0	10.1	9.7
100	14.1	14.3	13.7	12.3	12.5	11.9	10.3	10.4	10.0
500	14.3	14.5	13.9	12.3	12.5	12.0	10.3	10.5	10.1
1000	14.1	14.6	13.3	12.6	13.0	12.0	10.9	11.2	10.5
1500	13.5	14.0	12.8	12.1	12.4	11.6	10.5	10.6	10.1
2000	14.1	14.3	13.5	12.6	12.7	12.1	10.7	10.7	10.4
2500	13.9	14.3	13.2	12.4	12.7	11.8	10.7	10.9	10.2
2700	13.6	14.1	12.7	12.1	12.6	11.4	10.5	10.8	9.9
3000	13.6	14.3	12.7	12.3	12.7	11.5	10.6	10.9	9.9
3500	12.6	13.4	11.5	11.4	12.1	10.3	9.9	10.4	9.0
4000	11.3	12.4	10.0	10.2	11.2	9.0	8.9	9.7	7.8

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBm.

TEST CONDITIONS: $V_{DD} = +28\text{ V}$, Temperature = $+25^\circ\text{C}$

FREQ	P_{OUT} at $P_{IN} = +10$ dBm $I_{DD} = 400$ mA	P_{OUT} at $P_{IN} = +10$ dBm $I_{DD} = 300$ mA	P_{OUT} at $P_{IN} = +10$ dBm $I_{DD} = 200$ mA	P_{OUT} at $P_{IN} = +10$ dBm $I_{DD} = 100$ mA	P_{OUT} at $P_{IN} = +15$ dBm $I_{DD} = 400$ mA	P_{OUT} at $P_{IN} = +15$ dBm $I_{DD} = 300$ mA	P_{OUT} at $P_{IN} = +15$ dBm $I_{DD} = 200$ mA	P_{OUT} at $P_{IN} = +15$ dBm $I_{DD} = 100$ mA	P_{OUT} at $P_{IN} = +18$ dBm $I_{DD} = 400$ mA	P_{OUT} at $P_{IN} = +18$ dBm $I_{DD} = 300$ mA	P_{OUT} at $P_{IN} = +18$ dBm $I_{DD} = 200$ mA	P_{OUT} at $P_{IN} = +18$ dBm $I_{DD} = 100$ mA
(MHz)	+10				+15				+18			
10	26.7	31.1	30.1	28.2	31.5	34.8	33.8	32.4	35.5	36.7	35.9	34.9
30	31.6	31.1	30.0	28.1	35.4	34.6	33.5	32.1	37.2	36.5	35.7	34.6
100	31.4	30.9	29.9	28.1	35.3	34.5	33.6	32.3	37.2	36.5	35.8	34.9
500	31.0	30.6	29.9	28.7	35.1	34.6	34.0	33.1	37.2	36.8	36.3	35.6
1000	28.4	28.2	27.5	26.1	32.8	32.3	31.6	30.7	35.1	34.6	34.1	33.4
1500	28.6	28.3	27.5	26.0	32.8	32.2	31.4	30.3	34.8	34.3	33.7	32.9
2000	28.8	28.6	27.9	26.4	33.1	32.5	31.8	30.8	35.2	34.7	34.2	33.5
2500	28.5	28.3	27.7	26.4	32.9	32.4	31.7	30.8	35.1	34.7	34.2	33.5
2700	27.8	27.7	27.1	25.8	32.4	31.9	31.2	30.2	34.6	34.1	33.6	32.9
3000	27.9	27.8	27.3	26.0	32.5	32.0	31.4	30.4	34.7	34.3	33.8	33.1
3500	26.2	26.2	25.7	24.6	30.9	30.5	30.0	29.1	33.3	32.9	32.4	31.8
4000	24.3	24.3	24.0	22.9	29.1	28.9	28.3	27.5	31.7	31.3	30.9	30.3

FREQ	P_{OUT} at $P_{IN} = +20$ dBm $I_{DD} = 400$ mA	P_{OUT} at $P_{IN} = +20$ dBm $I_{DD} = 300$ mA	P_{OUT} at $P_{IN} = +20$ dBm $I_{DD} = 200$ mA	P_{OUT} at $P_{IN} = +20$ dBm $I_{DD} = 100$ mA	P_{OUT} at $P_{IN} = +22$ dBm $I_{DD} = 400$ mA	P_{OUT} at $P_{IN} = +22$ dBm $I_{DD} = 300$ mA	P_{OUT} at $P_{IN} = +22$ dBm $I_{DD} = 200$ mA	P_{OUT} at $P_{IN} = +22$ dBm $I_{DD} = 100$ mA	P_{OUT} at $P_{IN} = +24$ dBm $I_{DD} = 400$ mA	P_{OUT} at $P_{IN} = +24$ dBm $I_{DD} = 300$ mA	P_{OUT} at $P_{IN} = +24$ dBm $I_{DD} = 200$ mA	P_{OUT} at $P_{IN} = +24$ dBm $I_{DD} = 100$ mA
(MHz)	+20				+22				+24			
10	38.5	37.9	37.3	36.5	39.2	38.8	38.4	37.8	39.7	39.4	39.0	38.7
30	38.2	37.7	37.0	36.2	39.0	38.6	38.1	37.6	39.5	39.2	38.9	38.5
100	38.3	37.8	37.2	36.5	39.1	38.8	38.4	37.9	39.7	39.4	39.2	38.8
500	38.5	38.1	37.7	37.2	39.4	39.2	38.9	38.6	40.0	39.8	39.6	39.4
1000	36.5	36.1	35.7	35.2	37.9	37.6	37.3	36.9	39.2	39.0	38.8	38.5
1500	36.2	35.7	35.3	34.6	37.5	37.1	36.7	36.3	38.7	38.4	38.1	37.8
2000	36.6	36.3	35.8	35.3	38.0	37.7	37.4	37.0	39.3	39.0	38.8	38.5
2500	36.6	36.2	35.8	35.2	37.9	37.6	37.3	36.9	39.1	38.9	38.6	38.3
2700	36.0	35.6	35.2	34.6	37.3	37.0	36.7	36.2	38.6	38.3	38.1	37.8
3000	36.1	35.7	35.3	34.8	37.5	37.2	36.8	36.4	38.7	38.5	38.2	37.9
3500	34.8	34.4	34.0	33.5	36.2	35.9	35.6	35.2	37.5	37.3	37.0	36.7
4000	33.2	32.9	32.6	32.1	34.7	34.5	34.2	33.8	36.1	35.9	35.7	35.4

FREQ	P_{OUT} at $P_{IN} = +26$ dBm $I_{DD} = 400$ mA	P_{OUT} at $P_{IN} = +26$ dBm $I_{DD} = 300$ mA	P_{OUT} at $P_{IN} = +26$ dBm $I_{DD} = 200$ mA	P_{OUT} at $P_{IN} = +26$ dBm $I_{DD} = 100$ mA	P_{OUT} at $P_{IN} = +28$ dBm $I_{DD} = 400$ mA	P_{OUT} at $P_{IN} = +28$ dBm $I_{DD} = 300$ mA	P_{OUT} at $P_{IN} = +28$ dBm $I_{DD} = 200$ mA	P_{OUT} at $P_{IN} = +28$ dBm $I_{DD} = 100$ mA	P_{OUT} at $P_{IN} = +30$ dBm $I_{DD} = 400$ mA	P_{OUT} at $P_{IN} = +30$ dBm $I_{DD} = 300$ mA	P_{OUT} at $P_{IN} = +30$ dBm $I_{DD} = 200$ mA	P_{OUT} at $P_{IN} = +30$ dBm $I_{DD} = 100$ mA
(MHz)	+26				+28				+30			
10	40.0	39.7	39.5	39.2	40.1	39.9	39.7	39.5	40.1	40.0	39.8	39.6
30	39.8	39.6	39.4	39.1	40.0	39.8	39.6	39.4	40.0	39.8	39.7	39.5
100	40.1	39.9	39.7	39.4	40.3	40.1	40.0	39.8	40.3	40.1	40.0	39.9
500	40.3	40.2	40.0	39.9	40.3	40.2	40.1	40.0	40.3	40.2	40.2	40.1
1000	40.1	39.9	39.8	39.6	40.6	40.5	40.4	40.3	40.9	40.9	40.8	40.7
1500	39.5	39.3	39.2	38.9	40.1	40.0	39.9	39.7	40.5	40.4	40.3	40.2
2000	40.1	39.9	39.8	39.6	40.6	40.5	40.4	40.2	40.7	40.7	40.6	40.6
2500	39.9	39.8	39.7	39.5	40.4	40.3	40.2	40.1	40.7	40.6	40.6	40.5
2700	39.6	39.4	39.2	39.0	40.1	40.1	39.9	39.8	40.5	40.4	40.3	40.2
3000	39.6	39.5	39.3	39.2	40.3	40.2	40.1	40.0	40.6	40.5	40.5	40.4
3500	38.6	38.4	38.3	38.0	39.4	39.2	39.1	39.0	39.9	39.8	39.7	39.6
4000	37.3	37.2	37.0	36.8	38.2	38.1	38.0	37.8	38.9	38.8	38.8	38.6

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBm.

TEST CONDITIONS: I_{DD} = 400 mA, Temperature = +25°C

FREQ	P _{OUT} at P _{IN} = +10 dBm V _{DD} = +28 V	P _{OUT} at P _{IN} = +10 dBm V _{DD} = +24 V	P _{OUT} at P _{IN} = +10 dBm V _{DD} = +20 V	P _{OUT} at P _{IN} = +15 dBm V _{DD} = +28 V	P _{OUT} at P _{IN} = +15 dBm V _{DD} = +24 V	P _{OUT} at P _{IN} = +15 dBm V _{DD} = +20 V	P _{OUT} at P _{IN} = +18 dBm V _{DD} = +28 V	P _{OUT} at P _{IN} = +18 dBm V _{DD} = +24 V	P _{OUT} at P _{IN} = +18 dBm V _{DD} = +20 V
(MHz)	+10			+15			+18		
10	26.7	26.8	31.2	31.5	31.5	34.9	35.5	35.3	36.3
30	31.6	31.5	31.2	35.4	35.1	34.6	37.2	36.8	36.0
100	31.4	31.2	30.7	35.3	34.9	34.4	37.2	36.7	36.0
500	31.0	30.7	30.0	35.1	34.6	33.9	37.2	36.7	36.0
1000	28.4	28.3	27.9	32.8	32.6	32.1	35.1	34.8	34.3
1500	28.6	28.5	28.2	32.8	32.6	32.2	34.8	34.6	34.1
2000	28.8	28.7	28.3	33.1	32.9	32.4	35.2	35.0	34.5
2500	28.5	28.2	27.6	32.9	32.6	31.9	35.1	34.7	34.0
2700	27.8	27.5	26.9	32.4	32.0	31.3	34.6	34.1	33.4
3000	27.9	27.6	26.8	32.5	32.0	31.2	34.7	34.2	33.4
3500	26.2	25.7	24.9	30.9	30.4	29.6	33.3	32.8	31.9
4000	24.3	23.8	22.9	29.1	28.6	27.8	31.7	31.1	30.3

FREQ	P _{OUT} at P _{IN} = +20 dBm V _{DD} = +28 V	P _{OUT} at P _{IN} = +20 dBm V _{DD} = +24 V	P _{OUT} at P _{IN} = +20 dBm V _{DD} = +20 V	P _{OUT} at P _{IN} = +22 dBm V _{DD} = +28 V	P _{OUT} at P _{IN} = +22 dBm V _{DD} = +24 V	P _{OUT} at P _{IN} = +22 dBm V _{DD} = +20 V	P _{OUT} at P _{IN} = +24 dBm V _{DD} = +28 V	P _{OUT} at P _{IN} = +24 dBm V _{DD} = +24 V	P _{OUT} at P _{IN} = +24 dBm V _{DD} = +20 V
(MHz)	+20			+22			+24		
10	38.5	37.8	36.8	39.2	38.3	37.2	39.7	38.7	37.4
30	38.2	37.6	36.5	39.0	38.1	36.9	39.5	38.5	37.2
100	38.3	37.7	36.6	39.1	38.3	37.1	39.7	38.7	37.4
500	38.5	37.9	36.8	39.4	38.6	37.4	40.0	39.0	37.8
1000	36.5	36.2	35.7	37.9	37.6	36.8	39.2	38.6	37.6
1500	36.2	35.9	35.4	37.5	37.2	36.5	38.7	38.1	37.3
2000	36.6	36.4	35.8	38.0	37.7	36.9	39.3	38.6	37.5
2500	36.6	36.1	35.3	37.9	37.3	36.4	39.1	38.3	37.2
2700	36.0	35.5	34.7	37.3	36.8	35.9	38.6	37.9	36.9
3000	36.1	35.6	34.7	37.5	36.9	36.0	38.7	38.0	37.0
3500	34.8	34.2	33.4	36.2	35.6	34.7	37.5	36.8	36.0
4000	33.2	32.7	31.8	34.7	34.1	33.3	36.1	35.5	34.6

FREQ	P _{OUT} at P _{IN} = +26 dBm V _{DD} = +28 V	P _{OUT} at P _{IN} = +26 dBm V _{DD} = +24 V	P _{OUT} at P _{IN} = +26 dBm V _{DD} = +20 V	P _{OUT} at P _{IN} = +28 dBm V _{DD} = +28 V	P _{OUT} at P _{IN} = +28 dBm V _{DD} = +24 V	P _{OUT} at P _{IN} = +28 dBm V _{DD} = +20 V	P _{OUT} at P _{IN} = +30 dBm V _{DD} = +28 V	P _{OUT} at P _{IN} = +30 dBm V _{DD} = +24 V	P _{OUT} at P _{IN} = +30 dBm V _{DD} = +20 V
(MHz)	+26			+28			+30		
10	40.0	38.9	37.5	40.1	39.0	37.6	40.1	39.0	37.5
30	39.8	38.8	37.4	40.0	38.8	37.5	40.0	38.8	37.4
100	40.1	39.0	37.7	40.3	39.1	37.7	40.3	39.1	37.7
500	40.3	39.2	37.8	40.3	39.2	37.8	40.3	39.2	37.7
1000	40.1	39.3	38.1	40.6	39.7	38.4	40.9	39.8	38.5
1500	39.5	38.8	37.8	40.1	39.3	38.2	40.5	39.6	38.3
2000	40.1	39.2	38.0	40.6	39.5	38.2	40.7	39.6	38.2
2500	39.9	39.0	37.7	40.4	39.4	38.1	40.7	39.6	38.3
2700	39.6	38.7	37.6	40.1	39.2	38.0	40.5	39.5	38.3
3000	39.6	38.8	37.8	40.3	39.4	38.2	40.6	39.6	38.4
3500	38.6	37.9	36.9	39.4	38.6	37.5	39.9	39.0	37.9
4000	37.3	36.7	35.8	38.2	37.6	36.6	38.9	38.2	37.1

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in dBm.

TEST CONDITIONS: $V_{DD} = +28\text{ V}$, $I_{DD} = 400\text{ mA}$, $V_G = -2\text{ V}$, $I_G = 0.01\text{ mA}$

FREQ	P_{OUT} at $P_{IN} = +10\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{OUT} at $P_{IN} = +10\text{ dBm}$ Temperature = -55°C	P_{OUT} at $P_{IN} = +10\text{ dBm}$ Temperature = $+95^\circ\text{C}$	P_{OUT} at $P_{IN} = +15\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{OUT} at $P_{IN} = +15\text{ dBm}$ Temperature = -55°C	P_{OUT} at $P_{IN} = +15\text{ dBm}$ Temperature = $+95^\circ\text{C}$	P_{OUT} at $P_{IN} = +18\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{OUT} at $P_{IN} = +18\text{ dBm}$ Temperature = -55°C	P_{OUT} at $P_{IN} = +18\text{ dBm}$ Temperature = $+95^\circ\text{C}$
(MHz)	+10			+15			+18		
10	26.7	32.7	30.0	31.5	36.2	34.5	35.5	38.0	36.6
30	31.6	32.7	30.1	35.4	36.0	34.5	37.2	37.7	36.5
100	31.4	32.5	29.9	35.3	36.0	34.3	37.2	37.8	36.4
500	31.0	32.0	29.2	35.1	35.9	33.6	37.2	38.0	35.9
1000	28.4	29.8	26.9	32.8	33.8	31.6	35.1	36.0	33.9
1500	28.6	29.8	27.1	32.8	33.6	31.6	34.8	35.7	33.8
2000	28.8	30.1	27.4	33.1	33.9	32.0	35.2	36.0	34.3
2500	28.5	29.8	26.9	32.9	33.9	31.7	35.1	36.1	34.1
2700	27.8	29.2	26.3	32.4	33.4	31.1	34.6	35.6	33.5
3000	27.9	29.4	26.3	32.5	33.6	31.1	34.7	35.8	33.6
3500	26.2	27.9	24.4	30.9	32.3	29.4	33.3	34.6	32.0
4000	24.3	26.1	22.4	29.1	30.7	27.5	31.7	33.1	30.2

FREQ	P_{OUT} at $P_{IN} = +20\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{OUT} at $P_{IN} = +20\text{ dBm}$ Temperature = -55°C	P_{OUT} at $P_{IN} = +20\text{ dBm}$ Temperature = $+95^\circ\text{C}$	P_{OUT} at $P_{IN} = +22\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{OUT} at $P_{IN} = +22\text{ dBm}$ Temperature = -55°C	P_{OUT} at $P_{IN} = +22\text{ dBm}$ Temperature = $+95^\circ\text{C}$	P_{OUT} at $P_{IN} = +24\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{OUT} at $P_{IN} = +24\text{ dBm}$ Temperature = -55°C	P_{OUT} at $P_{IN} = +24\text{ dBm}$ Temperature = $+95^\circ\text{C}$
(MHz)	+20			+22			+24		
10	38.5	38.9	37.8	39.2	39.5	38.7	39.7	40.0	39.3
30	38.2	38.7	37.6	39.0	39.3	38.5	39.5	39.8	39.1
100	38.3	38.8	37.6	39.1	39.5	38.6	39.7	40.0	39.2
500	38.5	39.1	37.4	39.4	39.9	38.6	40.0	40.4	39.4
1000	36.5	37.5	35.4	37.9	38.8	36.8	39.2	39.9	38.2
1500	36.2	37.0	35.2	37.5	38.3	36.5	38.7	39.3	37.8
2000	36.6	37.4	35.7	38.0	38.7	37.1	39.3	39.7	38.4
2500	36.6	37.4	35.5	37.9	38.7	36.9	39.1	39.7	38.1
2700	36.0	36.9	35.0	37.3	38.2	36.3	38.6	39.3	37.6
3000	36.1	37.2	35.0	37.5	38.4	36.3	38.7	39.5	37.6
3500	34.8	36.0	33.5	36.2	37.3	34.9	37.5	38.5	36.3
4000	33.2	34.6	31.8	34.7	36.0	33.3	36.1	37.3	34.7

FREQ	P_{OUT} at $P_{IN} = +26\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{OUT} at $P_{IN} = +26\text{ dBm}$ Temperature = -55°C	P_{OUT} at $P_{IN} = +26\text{ dBm}$ Temperature = $+95^\circ\text{C}$	P_{OUT} at $P_{IN} = +28\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{OUT} at $P_{IN} = +28\text{ dBm}$ Temperature = -55°C	P_{OUT} at $P_{IN} = +28\text{ dBm}$ Temperature = $+95^\circ\text{C}$	P_{OUT} at $P_{IN} = +30\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{OUT} at $P_{IN} = +30\text{ dBm}$ Temperature = -55°C	P_{OUT} at $P_{IN} = +30\text{ dBm}$ Temperature = $+95^\circ\text{C}$
(MHz)	+26			+28			+30		
10	40.0	40.2	39.6	40.1	40.3	39.8	40.1	40.3	39.8
30	39.8	40.1	39.5	40.0	40.2	39.7	40.0	40.1	39.7
100	40.1	40.3	39.7	40.3	40.5	39.9	40.3	40.4	40.0
500	40.3	40.5	39.9	40.3	40.5	40.0	40.3	40.5	40.1
1000	40.1	40.6	39.3	40.6	41.0	40.0	40.9	41.2	40.5
1500	39.5	40.0	38.8	40.1	40.4	39.6	40.5	40.6	40.1
2000	40.1	40.3	39.5	40.6	40.7	40.1	40.7	40.7	40.4
2500	39.9	40.3	39.2	40.4	40.7	39.8	40.7	40.9	40.2
2700	39.6	40.1	38.7	40.1	40.6	39.4	40.5	40.8	39.9
3000	39.6	40.3	38.7	40.3	40.7	39.5	40.6	40.9	39.9
3500	38.6	39.4	37.5	39.4	40.1	38.3	39.9	40.4	39.0
4000	37.3	38.4	36.0	38.2	39.2	37.0	38.9	39.7	37.8

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note:

TEST CONDITIONS: $V_{DD} = +28\text{ V}$, $I_{DD} = 400\text{ mA}$, $V_G = -2\text{ V}$, $I_G = 0.01\text{ mA}$

FREQ	P_{DISS} at $P_{IN} = +10\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{DISS} at $P_{IN} = +10\text{ dBm}$ Temperature = -55°C	P_{DISS} at $P_{IN} = +10\text{ dBm}$ Temperature = $+95^\circ\text{C}$	P_{DISS} at $P_{IN} = +15\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{DISS} at $P_{IN} = +15\text{ dBm}$ Temperature = -55°C	P_{DISS} at $P_{IN} = +15\text{ dBm}$ Temperature = $+95^\circ\text{C}$	P_{DISS} at $P_{IN} = +18\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{DISS} at $P_{IN} = +18\text{ dBm}$ Temperature = -55°C	P_{DISS} at $P_{IN} = +18\text{ dBm}$ Temperature = $+95^\circ\text{C}$
(MHz)	+10			+15			+18		
10	8.3	6.3	8.3	7.9	5.2	6.3	7.0	4.7	5.5
30	7.1	6.0	8.1	5.5	5.1	6.1	5.0	4.6	5.4
100	6.5	5.4	7.6	4.9	4.4	5.4	5.6	5.4	6.0
500	7.4	6.4	8.3	6.1	5.6	6.8	6.3	5.7	7.0
1000	9.2	8.5	9.7	8.6	8.3	8.9	8.9	8.8	9.0
1500	9.3	8.6	9.8	9.2	9.3	9.1	10.2	10.4	9.8
2000	9.0	8.2	9.5	8.5	8.6	8.7	9.3	9.6	9.1
2500	8.8	7.8	9.4	7.8	7.7	8.2	8.3	8.3	8.2
2700	8.9	7.9	9.5	7.7	7.4	8.2	8.2	8.1	8.2
3000	8.8	7.7	9.4	7.6	7.3	8.1	8.0	8.0	8.1
3500	9.1	8.1	9.7	8.1	7.6	8.6	8.4	8.2	8.5
4000	9.5	8.6	10.0	8.6	8.0	9.1	8.8	8.5	9.0

FREQ	P_{DISS} at $P_{IN} = +20\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{DISS} at $P_{IN} = +20\text{ dBm}$ Temperature = -55°C	P_{DISS} at $P_{IN} = +20\text{ dBm}$ Temperature = $+95^\circ\text{C}$	P_{DISS} at $P_{IN} = +22\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{DISS} at $P_{IN} = +22\text{ dBm}$ Temperature = -55°C	P_{DISS} at $P_{IN} = +22\text{ dBm}$ Temperature = $+95^\circ\text{C}$	P_{DISS} at $P_{IN} = +24\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{DISS} at $P_{IN} = +24\text{ dBm}$ Temperature = -55°C	P_{DISS} at $P_{IN} = +24\text{ dBm}$ Temperature = $+95^\circ\text{C}$
(MHz)	+20			+22			+24		
10	4.6	4.2	5.1	4.3	4.0	4.7	4.2	3.9	4.5
30	4.6	4.3	5.1	4.4	4.1	4.8	4.3	4.1	4.6
100	5.5	5.2	5.8	5.3	5.1	5.6	5.3	5.0	5.6
500	5.9	5.4	6.5	5.6	5.1	6.2	5.5	5.0	6.0
1000	9.4	9.1	9.3	9.7	9.4	9.8	10.2	9.7	10.4
1500	11.0	11.3	10.6	11.9	12.3	11.5	12.9	12.9	12.5
2000	9.9	10.2	9.6	10.5	10.8	10.2	10.9	10.9	10.8
2500	8.7	8.7	8.6	9.2	9.1	9.2	9.7	9.6	9.7
2700	8.7	8.7	8.6	9.3	9.2	9.2	10.0	9.8	9.9
3000	8.5	8.5	8.5	9.1	9.0	9.1	9.8	9.6	9.8
3500	8.9	8.8	8.9	9.7	9.6	9.5	10.5	10.5	10.4
4000	9.3	9.1	9.3	10.0	9.9	10.0	11.0	10.9	10.8

FREQ	P_{DISS} at $P_{IN} = +26\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{DISS} at $P_{IN} = +26\text{ dBm}$ Temperature = -55°C	P_{DISS} at $P_{IN} = +26\text{ dBm}$ Temperature = $+95^\circ\text{C}$	P_{DISS} at $P_{IN} = +28\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{DISS} at $P_{IN} = +28\text{ dBm}$ Temperature = -55°C	P_{DISS} at $P_{IN} = +28\text{ dBm}$ Temperature = $+95^\circ\text{C}$	P_{DISS} at $P_{IN} = +30\text{ dBm}$ Temperature = $+25^\circ\text{C}$	P_{DISS} at $P_{IN} = +30\text{ dBm}$ Temperature = -55°C	P_{DISS} at $P_{IN} = +30\text{ dBm}$ Temperature = $+95^\circ\text{C}$
(MHz)	+26			+28			+30		
10	4.1	3.9	4.4	4.2	4.0	4.5	4.3	4.3	4.7
30	4.4	4.1	4.7	4.4	4.3	4.7	4.7	4.5	4.9
100	5.4	5.1	5.6	5.5	5.2	5.7	5.6	5.4	5.9
500	5.3	4.9	5.9	5.2	4.8	5.8	5.5	5.0	6.1
1000	10.6	10.1	10.9	10.9	10.1	11.4	11.0	10.1	11.8
1500	13.4	13.3	13.4	13.8	13.2	14.0	13.8	13.0	14.4
2000	11.5	10.9	11.2	11.2	11.0	11.5	11.6	11.0	12.1
2500	10.5	10.2	10.4	11.2	10.7	11.3	11.9	11.0	12.3
2700	10.8	10.6	10.8	11.7	11.1	11.7	12.4	11.5	12.5
3000	10.6	10.2	10.6	11.4	10.7	11.6	12.2	11.1	12.4
3500	11.6	11.4	11.4	12.7	12.3	12.6	13.8	12.9	13.7
4000	12.1	12.0	11.9	13.4	13.3	13.0	14.6	14.4	14.4

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units are in percentage.

TEST CONDITIONS: $V_{DD} = +28\text{ V}$, $I_{DD} = 400\text{ mA}$, $V_G = -2\text{ V}$, $I_G = 0.01\text{ mA}$

FREQ	PAE at $P_{IN} = +10\text{ dBm}$ Temperature = +25°C	PAE at $P_{IN} = +10\text{ dBm}$ Temperature = -55°C	PAE at $P_{IN} = +10\text{ dBm}$ Temperature = +95°C	PAE at $P_{IN} = +15\text{ dBm}$ Temperature = +25°C	PAE at $P_{IN} = +15\text{ dBm}$ Temperature = -55°C	PAE at $P_{IN} = +15\text{ dBm}$ Temperature = +95°C	PAE at $P_{IN} = +18\text{ dBm}$ Temperature = +25°C	PAE at $P_{IN} = +18\text{ dBm}$ Temperature = -55°C	PAE at $P_{IN} = +18\text{ dBm}$ Temperature = +95°C
(MHz)	+10			+15			+18		
10	5.3	22.7	10.8	15.1	44.2	30.8	33.5	57.1	44.8
30	16.9	23.3	11.2	38.5	43.8	31.5	51.0	55.9	44.6
100	17.3	24.5	11.3	40.8	46.8	33.1	47.7	52.3	41.6
500	14.5	19.6	9.1	34.1	40.9	25.0	45.3	52.0	35.6
1000	6.9	9.9	4.7	17.9	22.2	13.6	26.0	31.0	21.2
1500	7.1	10.0	4.9	16.8	19.7	13.5	22.7	25.9	19.4
2000	7.8	11.0	5.4	19.0	21.9	15.3	26.0	29.1	22.4
2500	7.3	10.9	4.9	19.8	23.9	15.1	27.9	32.3	23.2
2700	6.3	9.4	4.2	18.0	22.4	13.3	25.8	30.3	21.2
3000	6.5	10.1	4.2	18.5	23.7	13.5	26.5	32.0	21.4
3500	4.3	7.0	2.7	13.0	18.0	8.9	19.9	25.5	15.1
4000	2.6	4.4	1.6	8.4	12.5	5.5	13.8	18.9	9.8

FREQ	PAE at $P_{IN} = +20\text{ dBm}$ Temperature = +25°C	PAE at $P_{IN} = +20\text{ dBm}$ Temperature = -55°C	PAE at $P_{IN} = +20\text{ dBm}$ Temperature = +95°C	PAE at $P_{IN} = +22\text{ dBm}$ Temperature = +25°C	PAE at $P_{IN} = +22\text{ dBm}$ Temperature = -55°C	PAE at $P_{IN} = +22\text{ dBm}$ Temperature = +95°C	PAE at $P_{IN} = +24\text{ dBm}$ Temperature = +25°C	PAE at $P_{IN} = +24\text{ dBm}$ Temperature = -55°C	PAE at $P_{IN} = +24\text{ dBm}$ Temperature = +95°C
(MHz)	+20			+22			+24		
10	59.9	64.6	53.5	65.5	69.0	60.5	68.4	71.3	64.4
30	58.6	62.8	52.9	63.7	67.0	59.2	66.7	69.2	63.1
100	55.0	59.2	49.2	60.2	63.5	55.7	63.0	65.9	59.2
500	54.3	59.8	45.0	60.5	65.1	53.3	64.1	67.9	58.5
1000	31.9	37.7	26.6	38.3	44.4	32.3	44.2	49.4	38.0
1500	26.9	30.5	23.3	31.3	35.1	27.4	35.5	39.0	31.5
2000	31.4	34.6	27.3	37.2	40.5	32.7	42.9	45.7	36.3
2500	33.6	38.4	28.5	39.6	44.1	33.9	44.8	48.5	39.2
2700	30.9	35.8	26.1	36.2	41.2	30.9	41.2	45.8	35.7
3000	31.9	37.6	26.4	37.2	42.9	31.3	42.1	47.4	36.1
3500	24.6	30.5	19.4	29.3	35.3	23.7	33.7	39.5	27.8
4000	17.7	23.4	13.1	21.8	27.9	16.6	25.8	32.0	20.0

FREQ	PAE at $P_{IN} = +26\text{ dBm}$ Temperature = +25°C	PAE at $P_{IN} = +26\text{ dBm}$ Temperature = -55°C	PAE at $P_{IN} = +26\text{ dBm}$ Temperature = +95°C	PAE at $P_{IN} = +28\text{ dBm}$ Temperature = +25°C	PAE at $P_{IN} = +28\text{ dBm}$ Temperature = -55°C	PAE at $P_{IN} = +28\text{ dBm}$ Temperature = +95°C	PAE at $P_{IN} = +30\text{ dBm}$ Temperature = +25°C	PAE at $P_{IN} = +30\text{ dBm}$ Temperature = -55°C	PAE at $P_{IN} = +30\text{ dBm}$ Temperature = +95°C
(MHz)	+26			+28			+30		
10	69.8	72.1	66.3	69.5	71.6	66.4	68.3	69.5	64.7
30	68.0	70.2	64.6	67.7	69.5	64.8	65.6	67.2	62.8
100	64.4	66.8	61.1	64.5	66.6	61.6	63.2	64.9	60.3
500	65.9	69.1	61.2	65.9	68.8	61.7	64.0	66.9	60.3
1000	47.9	52.2	42.6	50.0	54.1	45.2	50.9	54.4	46.6
1500	39.0	41.9	35.2	41.2	44.1	37.6	42.5	44.8	39.1
2000	46.0	48.9	42.9	48.8	50.4	45.3	48.4	49.5	45.4
2500	47.4	50.3	43.2	48.1	51.1	44.2	47.3	50.3	43.7
2700	44.4	48.2	39.5	45.4	49.1	41.0	45.0	48.7	40.9
3000	45.3	49.9	39.9	46.8	51.0	41.7	46.1	50.6	41.6
3500	36.9	42.3	31.2	38.6	43.6	33.0	38.8	43.6	33.4
4000	29.0	35.0	23.1	31.0	36.6	24.9	31.6	37.0	25.7

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units in dBc

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 400 mA @ Temperature = +25°C

FREQ	2 ND Harmonic vs P _{OUT} = +18 dBm	2 ND Harmonic vs P _{OUT} = +20 dBm	2 ND Harmonic vs P _{OUT} = +22 dBm	2 ND Harmonic vs P _{OUT} = +24 dBm	2 ND Harmonic vs P _{OUT} = +26 dBm	2 ND Harmonic vs P _{OUT} = +28 dBm	2 ND Harmonic vs P _{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-45.0	-41.9	-40.4	-44.5	-40.7	-36.2	-30.9
30	-47.1	-36.9	-35.9	-35.2	-33.8	-32.1	-29.8
100	-52.4	-45.1	-44.6	-43.5	-42.3	-40.1	-37.4
500	-62.7	-54.9	-54.2	-51.7	-49.7	-47.1	-43.8
1000	-48.2	-46.3	-43.8	-40.7	-36.8	-32.0	-27.7
1500	-46.3	-43.9	-42.1	-40.1	-38.1	-35.7	-32.9
2000	-45.8	-43.6	-41.9	-39.6	-37.6	-35.5	-33.1
2500	-46.6	-45.3	-43.3	-41.4	-38.9	-36.9	-34.7
2700	-46.0	-44.3	-42.0	-39.9	-37.6	-35.7	-33.5
3000	-40.3	-38.0	-35.7	-33.7	-31.6	-29.4	-27.4

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 300 mA @ Temperature = +25°C

FREQ	2 ND Harmonic vs P _{OUT} = +18 dBm	2 ND Harmonic vs P _{OUT} = +20 dBm	2 ND Harmonic vs P _{OUT} = +22 dBm	2 ND Harmonic vs P _{OUT} = +24 dBm	2 ND Harmonic vs P _{OUT} = +26 dBm	2 ND Harmonic vs P _{OUT} = +28 dBm	2 ND Harmonic vs P _{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-40.7	-46.0	-44.5	-37.8	-32.3	-27.5	-23.0
30	-42.2	-34.9	-33.9	-32.1	-30.1	-27.3	-23.7
100	-48.0	-40.8	-39.2	-37.4	-34.8	-31.9	-27.9
500	-53.0	-51.6	-49.2	-45.7	-42.5	-38.8	-34.5
1000	-41.4	-38.8	-35.7	-32.3	-28.4	-24.6	-21.6
1500	-43.4	-41.5	-39.3	-37.0	-34.3	-31.1	-27.4
2000	-44.5	-42.5	-40.3	-38.1	-35.6	-32.9	-29.5
2500	-47.2	-44.8	-42.7	-40.7	-38.5	-36.3	-34.1
2700	-45.1	-43.5	-41.6	-39.6	-37.4	-35.3	-33.3
3000	-39.8	-37.7	-35.8	-33.7	-31.8	-30.0	-28.0

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 200 mA @ Temperature = +25°C

FREQ	2 ND Harmonic vs P _{OUT} = +18 dBm	2 ND Harmonic vs P _{OUT} = +20 dBm	2 ND Harmonic vs P _{OUT} = +22 dBm	2 ND Harmonic vs P _{OUT} = +24 dBm	2 ND Harmonic vs P _{OUT} = +26 dBm	2 ND Harmonic vs P _{OUT} = +28 dBm	2 ND Harmonic vs P _{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-34.2	-34.8	-31.4	-27.4	-23.2	-18.7	-15.2
30	-36.2	-30.6	-28.4	-25.9	-23.0	-19.1	-15.2
100	-39.2	-34.0	-31.8	-29.2	-26.1	-22.6	-18.6
500	-44.0	-42.1	-39.4	-36.3	-32.9	-29.5	-26.3
1000	-33.2	-30.3	-27.2	-24.1	-21.0	-18.7	-17.2
1500	-37.9	-35.5	-33.0	-30.1	-26.9	-22.8	-18.8
2000	-40.7	-38.2	-35.7	-32.9	-29.7	-25.6	-21.9
2500	-45.2	-43.2	-40.9	-38.6	-36.1	-33.3	-29.7
2700	-44.8	-42.6	-40.2	-38.2	-35.9	-33.4	-30.2
3000	-39.2	-37.4	-35.5	-33.6	-31.4	-28.7	-26.1

TEST CONDITIONS: V_{DD} = 28V, I_{DD} = 100 mA @ Temperature = +25°C

FREQ	2 ND Harmonic vs P _{OUT} = +18 dBm	2 ND Harmonic vs P _{OUT} = +20 dBm	2 ND Harmonic vs P _{OUT} = +22 dBm	2 ND Harmonic vs P _{OUT} = +24 dBm	2 ND Harmonic vs P _{OUT} = +26 dBm	2 ND Harmonic vs P _{OUT} = +28 dBm	2 ND Harmonic vs P _{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-23.7	-21.7	-18.8	-15.9	-13.0	-11.3	-10.0
30	-24.7	-21.1	-18.3	-15.7	-12.9	-11.0	-9.8
100	-27.0	-23.6	-20.8	-18.1	-15.3	-13.5	-12.0
500	-33.1	-30.6	-28.0	-25.3	-22.9	-20.9	-19.3
1000	-22.6	-20.2	-18.1	-16.4	-15.3	-14.7	-14.4
1500	-27.1	-24.6	-21.8	-18.6	-16.0	-14.2	-13.3
2000	-30.8	-28.1	-25.2	-22.2	-19.8	-18.1	-17.3
2500	-37.9	-35.3	-32.5	-29.8	-27.0	-25.0	-23.9
2700	-38.2	-35.6	-32.9	-30.3	-27.5	-25.7	-24.4
3000	-34.9	-32.0	-29.0	-26.2	-24.5	-23.2	-22.5

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units in dBc

TEST CONDITIONS: $V_{DD} = 28V$, $I_{DD} = 400\text{ mA}$ @ Temperature = +25°C

FREQ	2 ND Harmonic vs P _{OUT} = +18 dBm	2 ND Harmonic vs P _{OUT} = +20 dBm	2 ND Harmonic vs P _{OUT} = +22 dBm	2 ND Harmonic vs P _{OUT} = +24 dBm	2 ND Harmonic vs P _{OUT} = +26 dBm	2 ND Harmonic vs P _{OUT} = +28 dBm	2 ND Harmonic vs P _{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-45.0	-41.9	-40.4	-44.5	-40.7	-36.2	-30.9
30	-47.1	-36.9	-35.9	-35.2	-33.8	-32.1	-29.8
100	-52.4	-45.1	-44.6	-43.5	-42.3	-40.1	-37.4
500	-62.7	-54.9	-54.2	-51.7	-49.7	-47.1	-43.8
1000	-48.2	-46.3	-43.8	-40.7	-36.8	-32.0	-27.7
1500	-46.3	-43.9	-42.1	-40.1	-38.1	-35.7	-32.9
2000	-45.8	-43.6	-41.9	-39.6	-37.6	-35.5	-33.1
2500	-46.6	-45.3	-43.3	-41.4	-38.9	-36.9	-34.7
2700	-46.0	-44.3	-42.0	-39.9	-37.6	-35.7	-33.5
3000	-40.3	-38.0	-35.7	-33.7	-31.6	-29.4	-27.4

TEST CONDITIONS: $V_{DD} = 28V$, $I_{DD} = 400\text{ mA}$ @ Temperature = -55°C

FREQ	2 ND Harmonic vs P _{OUT} = +18 dBm	2 ND Harmonic vs P _{OUT} = +20 dBm	2 ND Harmonic vs P _{OUT} = +22 dBm	2 ND Harmonic vs P _{OUT} = +24 dBm	2 ND Harmonic vs P _{OUT} = +26 dBm	2 ND Harmonic vs P _{OUT} = +28 dBm	2 ND Harmonic vs P _{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-47.4	-37.6	-39.2	-40.0	-43.2	-38.7	-32.6
30	-48.0	-38.4	-37.5	-35.7	-34.5	-32.7	-29.9
100	-54.0	-50.2	-48.7	-48.1	-46.6	-43.1	-38.1
500	-61.8	-53.9	-52.4	-51.0	-49.9	-47.8	-44.3
1000	-49.0	-47.1	-44.0	-40.2	-35.5	-30.3	-26.1
1500	-46.8	-44.2	-42.6	-40.7	-38.5	-35.9	-32.7
2000	-45.9	-44.2	-42.2	-39.9	-37.7	-35.4	-32.7
2500	-47.6	-45.5	-43.7	-41.5	-39.4	-37.2	-34.9
2700	-46.0	-44.0	-42.2	-40.1	-37.9	-35.8	-33.6
3000	-39.9	-38.0	-35.9	-33.9	-31.8	-29.7	-27.8

TEST CONDITIONS: $V_{DD} = 28V$, $I_{DD} = 400\text{ mA}$ @ Temperature = +95°C

FREQ	2 ND Harmonic vs P _{OUT} = +18 dBm	2 ND Harmonic vs P _{OUT} = +20 dBm	2 ND Harmonic vs P _{OUT} = +22 dBm	2 ND Harmonic vs P _{OUT} = +24 dBm	2 ND Harmonic vs P _{OUT} = +26 dBm	2 ND Harmonic vs P _{OUT} = +28 dBm	2 ND Harmonic vs P _{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-41.7	-37.3	-38.6	-36.6	-34.3	-32.5	-28.9
30	-43.7	-35.8	-35.3	-34.5	-33.0	-31.4	-29.4
100	-49.1	-41.4	-40.3	-39.5	-38.3	-37.0	-35.1
500	-57.9	-57.4	-54.6	-52.9	-50.2	-47.5	-44.0
1000	-45.0	-43.4	-41.3	-38.9	-36.1	-32.3	-28.5
1500	-44.1	-42.6	-40.8	-38.8	-36.9	-34.7	-32.2
2000	-44.7	-42.6	-40.8	-38.8	-36.9	-34.8	-32.6
2500	-45.9	-44.3	-42.3	-40.1	-38.1	-36.0	-34.1
2700	-44.9	-43.1	-40.9	-38.7	-36.9	-34.6	-32.7
3000	-39.0	-37.0	-35.0	-32.8	-30.6	-28.6	-26.6

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units in dBc

TEST CONDITIONS: $V_{DD} = 28V$, $I_{DD} = 400\text{ mA}$ @ Temperature = +25°C

FREQ	³ RD Harmonic vs P _{OUT} P _{OUT} = +18 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +20 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +22 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +24 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +26 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +28 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-46.1	-42.4	-44.4	-42.8	-42.6	-41.4	-38.0
30	-47.9	-47.0	-45.6	-44.4	-43.5	-41.7	-38.6
100	-65.0	-57.9	-56.4	-52.2	-48.7	-44.8	-40.5
500	-73.5	-70.6	-63.9	-60.5	-55.1	-50.2	-44.9
1000	-61.8	-60.2	-58.4	-53.9	-49.7	-45.0	-39.4
1500	-70.5	-64.3	-62.9	-56.5	-52.5	-47.7	-42.0
2000	-72.1	-69.2	-66.9	-61.2	-56.1	-51.9	-46.3
2500	-75.1	-72.0	-63.9	-64.8	-59.9	-55.8	-51.4
2700	-78.3	-65.8	-64.0	-60.7	-55.6	-51.2	-46.2
3000	-69.4	-67.6	-61.7	-59.8	-56.1	-52.2	-47.8

TEST CONDITIONS: $V_{DD} = 28V$, $I_{DD} = 300\text{ mA}$ @ Temperature = +25°C

FREQ	³ RD Harmonic vs P _{OUT} P _{OUT} = +18 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +20 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +22 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +24 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +26 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +28 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-44.6	-46.1	-44.1	-42.9	-40.4	-36.9	-31.7
30	-46.5	-45.2	-44.2	-43.2	-41.1	-37.8	-32.7
100	-61.6	-57.5	-55.4	-50.2	-46.0	-41.3	-35.9
500	-65.2	-65.2	-60.3	-55.3	-50.7	-45.0	-39.5
1000	-62.7	-57.9	-54.0	-50.4	-45.6	-40.3	-35.6
1500	-64.4	-62.0	-57.4	-52.7	-47.5	-41.8	-35.0
2000	-72.4	-65.9	-62.4	-56.2	-52.0	-46.4	-39.7
2500	-74.4	-71.2	-66.2	-61.6	-58.3	-53.2	-47.4
2700	-69.3	-65.2	-63.1	-58.0	-53.1	-47.8	-41.6
3000	-68.1	-71.3	-64.1	-59.6	-54.1	-49.4	-43.7

TEST CONDITIONS: $V_{DD} = 28V$, $I_{DD} = 200\text{ mA}$ @ Temperature = +25°C

FREQ	³ RD Harmonic vs P _{OUT} P _{OUT} = +18 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +20 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +22 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +24 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +26 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +28 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-42.2	-44.9	-41.1	-38.0	-34.4	-29.1	-24.8
30	-46.7	-44.3	-41.9	-39.2	-35.3	-29.9	-24.8
100	-59.2	-55.3	-49.5	-44.6	-39.7	-34.0	-28.1
500	-61.9	-58.4	-53.4	-48.4	-43.1	-38.2	-34.4
1000	-58.3	-53.0	-48.8	-44.1	-39.5	-34.5	-29.3
1500	-60.2	-54.6	-49.6	-44.4	-38.7	-32.3	-27.8
2000	-62.2	-59.4	-54.3	-48.8	-42.9	-36.2	-30.7
2500	-70.0	-65.0	-63.0	-57.8	-51.4	-45.2	-38.8
2700	-67.8	-63.3	-57.0	-52.1	-45.8	-39.7	-34.8
3000	-68.0	-63.3	-58.6	-54.2	-48.3	-42.3	-37.4

TEST CONDITIONS: $V_{DD} = 28V$, $I_{DD} = 100\text{ mA}$ @ Temperature = +25°C

FREQ	³ RD Harmonic vs P _{OUT} P _{OUT} = +18 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +20 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +22 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +24 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +26 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +28 dBm	³ RD Harmonic vs P _{OUT} P _{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-37.3	-35.5	-32.7	-28.8	-26.7	-26.1	-26.5
30	-41.4	-37.4	-33.7	-29.6	-26.4	-25.2	-24.6
100	-48.0	-42.8	-37.6	-32.8	-28.6	-25.8	-24.2
500	-51.6	-47.1	-42.5	-38.5	-35.4	-32.9	-30.6
1000	-46.4	-42.4	-37.5	-32.6	-29.0	-27.0	-25.9
1500	-45.3	-40.3	-35.4	-30.7	-27.8	-26.2	-25.0
2000	-48.2	-43.4	-38.5	-33.6	-30.1	-27.8	-26.4
2500	-57.2	-51.6	-46.9	-42.0	-37.7	-34.1	-31.9
2700	-53.6	-47.8	-42.7	-38.0	-34.6	-32.1	-30.2
3000	-55.7	-51.3	-46.2	-41.4	-37.4	-34.7	-32.7

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Note: Units in dBc

TEST CONDITIONS: $V_{DD} = 28V$, $I_{DD} = 400\text{ mA}$ @ Temperature = +25°C

FREQ	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +18 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +20 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +22 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +24 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +26 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +28 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-46.1	-42.4	-44.4	-42.8	-42.6	-41.4	-38.0
30	-47.9	-47.0	-45.6	-44.4	-43.5	-41.7	-38.6
100	-65.0	-57.9	-56.4	-52.2	-48.7	-44.8	-40.5
500	-73.5	-70.6	-63.9	-60.5	-55.1	-50.2	-44.9
1000	-61.8	-60.2	-58.4	-53.9	-49.7	-45.0	-39.4
1500	-70.5	-64.3	-62.9	-56.5	-52.5	-47.7	-42.0
2000	-72.1	-69.2	-66.9	-61.2	-56.1	-51.9	-46.3
2500	-75.1	-72.0	-63.9	-64.8	-59.9	-55.8	-51.4
2700	-78.3	-65.8	-64.0	-60.7	-55.6	-51.2	-46.2
3000	-69.4	-67.6	-61.7	-59.8	-56.1	-52.2	-47.8

TEST CONDITIONS: $V_{DD} = 28V$, $I_{DD} = 400\text{ mA}$ @ Temperature = -55°C

FREQ	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +18 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +20 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +22 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +24 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +26 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +28 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-43.3	-48.9	-44.8	-43.8	-42.4	-41.7	-37.3
30	-47.3	-46.0	-47.2	-44.5	-43.9	-41.0	-38.0
100	-63.3	-63.7	-58.1	-55.0	-50.4	-46.3	-41.4
500	-75.9	-73.5	-66.6	-60.1	-55.6	-50.2	-44.6
1000	-65.1	-61.0	-57.6	-54.0	-49.5	-44.0	-38.1
1500	-76.2	-66.6	-63.3	-60.4	-54.7	-49.1	-42.3
2000	-80.8	-73.7	-65.2	-64.7	-59.5	-53.9	-47.3
2500	-71.0	-71.4	-76.6	-67.0	-63.0	-57.9	-52.7
2700	-82.3	-71.4	-68.4	-61.5	-57.8	-52.4	-46.7
3000	-69.7	-65.6	-65.0	-62.0	-57.4	-53.0	-47.6

TEST CONDITIONS: $V_{DD} = 28V$, $I_{DD} = 400\text{ mA}$ @ Temperature = +95°C

FREQ	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +18 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +20 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +22 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +24 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +26 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +28 dBm	^{3RD} Harmonic vs P _{OUT} P _{OUT} = +30 dBm
(MHz)	+18	+20	+22	+24	+26	+28	+30
10	-46.4	-50.0	-47.4	-44.5	-43.9	-42.7	-38.3
30	-47.6	-47.1	-46.5	-45.2	-44.3	-42.3	-38.7
100	-58.4	-58.4	-52.9	-49.5	-46.2	-42.5	-38.8
500	-69.6	-67.4	-62.2	-57.6	-53.1	-48.8	-44.1
1000	-61.2	-58.1	-55.5	-51.8	-47.9	-43.5	-38.4
1500	-63.2	-62.2	-57.6	-54.4	-49.5	-45.4	-40.3
2000	-64.3	-65.1	-62.1	-57.5	-52.7	-48.8	-43.8
2500	-67.4	-66.2	-63.1	-61.5	-57.0	-53.1	-48.3
2700	-68.7	-62.8	-60.2	-56.2	-52.4	-48.6	-44.3
3000	-71.7	-65.5	-61.7	-58.4	-53.9	-50.0	-45.6

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} = +28 V, I_{DD} = 400 mA, V_G = -2 V, I_G = 0.01 mA

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		P _{SAT} Output	FREQ	P _{OUT} at Fixed P _{IN}								
					K	Measure			(dBm)	(MHz)	+5	+10	+15	+20	+22	+24	+26
10	5.9	-46.8	-13.3	-1.8	18.1	0.4	27.7	10	11.4	16.0	19.9	23.1	24.4	25.7	26.9	27.8	28.0
20	8.5	-69.3	-12.6	-1.9	185.9	0.4	30.1	30	13.9	18.5	22.6	25.9	27.3	28.6	29.8	30.8	30.6
30	10.7	-61.1	-11.9	-2.0	57.6	0.4	32.4	100	24.8	29.3	32.5	35.6	36.7	37.5	38.0	38.2	38.3
40	12.5	-53.7	-12.0	-2.3	22.3	0.4	33.9	500	26.0	30.7	34.7	38.3	39.1	39.7	39.9	39.9	39.9
50	14.6	-64.4	-12.1	-2.7	67.1	0.5	35.1	1000	22.6	27.4	32.0	35.9	37.3	38.6	39.5	40.1	40.4
60	15.7	-56.1	-12.3	-3.1	25.1	0.5	36.4	1500	22.9	27.7	32.2	35.6	37.0	38.2	39.2	39.9	40.4
70	16.6	-63.1	-12.3	-3.7	56.7	0.6	36.7	2000	23.2	28.1	32.6	36.1	37.5	38.8	39.9	40.5	40.8
80	17.7	-61.8	-12.3	-4.2	46.8	0.7	37.2	2500	22.8	27.8	32.4	36.1	37.5	38.8	39.8	40.4	40.7
90	18.2	-52.4	-12.1	-4.8	15.9	0.7	37.5										
100	19.1	-50.8	-12.0	-5.5	13.0	0.8	38.1										
200	21.9	-46.5	-12.0	-15.6	7.8	1.0	39.7										
300	22.4	-42.7	-10.7	-25.4	4.8	1.1	39.7										
400	22.2	-40.3	-8.5	-17.1	3.5	1.1	39.7										
500	21.4	-39.3	-6.9	-14.9	3.2	1.1	39.6										
600	19.3	-39.6	-6.7	-14.5	4.1	1.1	39.9										
700	18.0	-39.5	-7.1	-13.6	4.7	1.1	40.0										
800	17.6	-38.8	-8.2	-12.5	4.7	1.1	40.0										
900	17.6	-38.0	-9.3	-12.2	4.4	1.0	40.1										
1000	17.7	-37.1	-11.0	-11.8	4.0	1.0	40.3										
1100	17.8	-36.2	-11.8	-11.4	3.6	1.0	40.2										
1200	17.9	-35.4	-12.8	-11.0	3.3	1.0	39.9										
1300	18.1	-34.7	-13.6	-11.1	3.0	1.0	40.0										
1400	18.2	-34.1	-14.1	-11.2	2.8	1.0	40.1										
1500	18.2	-33.5	-14.1	-11.2	2.6	0.9	40.3										
1600	18.3	-33.0	-13.7	-11.5	2.5	0.9	40.2										
1700	18.3	-32.6	-13.2	-12.3	2.4	0.9	40.1										
1800	18.3	-32.2	-12.6	-12.6	2.3	1.0	40.5										
1900	18.3	-31.8	-12.1	-12.9	2.2	0.9	40.7										
2000	18.3	-31.5	-11.8	-14.1	2.2	1.0	40.7										
2100	18.3	-31.1	-11.6	-15.5	2.1	1.0	40.5										
2200	18.3	-30.9	-11.6	-16.1	2.1	1.0	40.5										
2300	18.2	-30.6	-11.7	-17.8	2.1	1.0	40.7										
2400	18.2	-30.3	-11.9	-20.6	2.0	1.0	40.6										
2500	18.1	-30.1	-12.4	-23.1	2.0	1.0	40.5										
2600	18.0	-29.9	-13.1	-24.9	2.0	1.0	40.5										
2700	17.9	-29.8	-14.0	-28.7	2.0	1.0	40.5										
2800	17.7	-29.7	-15.2	-28.9	2.0	1.0	40.3										
2900	17.5	-29.5	-16.7	-27.0	2.1	1.0	40.1										
3000	17.3	-29.4	-18.3	-25.3	2.1	1.0	40.1										
3100	17.1	-29.3	-19.7	-21.1	2.1	0.9	40.3										
3200	16.9	-29.3	-20.2	-18.4	2.1	0.9	40.1										
3300	16.7	-29.3	-19.8	-16.9	2.2	0.9	39.6										
3400	16.4	-29.3	-18.4	-15.7	2.2	0.9	39.6										
3500	16.0	-29.3	-16.5	-14.4	2.3	0.9	39.5										
3600	15.7	-29.4	-14.6	-13.3	2.3	1.0	39.4										
3700	15.3	-29.4	-12.9	-12.7	2.3	1.0	39.4										
3800	14.9	-29.5	-11.5	-12.0	2.4	1.0	39.2										
3900	14.5	-29.7	-10.2	-11.4	2.4	1.0	39.0										
4000	13.9	-29.9	-9.0	-11.0	2.5	1.0	38.7										

FREQ	Gain at Fixed P _{IN}								
	(MHz)	+5	+10	+15	+20	+22	+24	+26	+28
10	6.4	6.0	4.9	3.1	2.4	1.7	0.9	-0.2	-2.0
30	8.9	8.5	7.6	5.9	5.3	4.6	3.8	2.8	0.6
100	19.8	19.3	17.5	15.6	14.7	13.5	12.0	10.2	8.3
500	21.0	20.7	19.7	18.3	17.1	15.7	13.9	11.9	9.9
1000	17.6	17.4	17.0	15.9	15.3	14.6	13.5	12.1	10.4
1500	17.9	17.7	17.2	15.6	15.0	14.2	13.2	11.9	10.4
2000	18.2	18.1	17.6	16.1	15.5	14.8	13.9	12.5	10.8
2500	17.8	17.8	17.4	16.1	15.5	14.8	13.8	12.4	10.7