

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{DD} = +6\text{ V}$, $I_{DD} = 665\text{ mA}$, and Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output $P_{OUT} = +12$ dBm/Tone	1dB Comp. Output	P_{SAT} Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.00	11.4	-73.5	-5.7	-32.9	468.2	1.3	33.6	22.7	25.5	17.4
4.50	15.1	-65.0	-7.3	-20.5	125.0	1.2	32.8	23.4	27.2	14.9
5.00	18.4	-67.5	-9.4	-15.4	122.5	1.1	33.6	24.1	28.2	12.7
5.50	20.7	-68.5	-12.6	-14.7	112.2	1.0	34.3	25.0	28.4	10.8
6.00	22.1	-67.9	-15.7	-17.0	92.9	1.0	34.2	25.7	28.5	9.2
6.50	22.7	-58.3	-16.9	-20.4	29.4	1.0	34.0	26.2	28.5	8.2
7.00	22.6	-58.4	-17.0	-19.0	29.7	1.0	34.0	26.6	28.5	7.6
7.50	22.4	-60.2	-16.7	-16.7	37.3	1.0	34.0	26.9	28.5	7.2
8.00	22.1	-60.4	-16.6	-15.5	38.8	1.0	34.1	27.3	28.9	6.9
8.50	21.9	-58.8	-16.7	-14.9	33.0	1.0	34.0	27.6	29.2	6.7
9.00	21.8	-61.5	-16.7	-14.7	46.0	1.0	33.7	27.7	29.3	6.6
9.50	21.7	-59.8	-16.8	-14.7	38.1	1.0	33.7	27.8	29.2	6.4
10.00	21.7	-59.6	-16.6	-14.8	37.2	1.0	33.5	27.4	28.8	6.2
10.25	21.6	-60.3	-16.3	-14.9	40.3	1.0	33.8	27.3	28.8	6.0
10.50	21.6	-61.2	-15.9	-15.0	44.8	1.0	33.9	27.1	28.8	6.1
10.75	21.6	-56.2	-15.2	-15.3	25.4	1.0	33.9	27.2	28.8	5.9
11.00	21.5	-59.7	-14.6	-15.4	37.9	1.0	34.0	27.2	28.8	5.9
11.25	21.5	-58.7	-13.9	-15.9	33.8	1.0	33.8	27.2	28.9	5.8
11.50	21.4	-58.1	-13.5	-16.2	31.8	1.0	33.8	27.2	28.9	5.8
11.75	21.4	-56.4	-13.1	-16.9	26.3	1.0	33.8	27.2	28.9	5.7
12.00	21.3	-55.8	-12.7	-17.1	24.6	1.0	33.4	27.1	28.7	5.7
12.25	21.2	-55.4	-12.7	-17.7	24.0	1.0	33.2	27.1	28.8	5.6
12.50	21.1	-55.7	-12.9	-18.1	25.1	1.0	33.2	27.1	28.6	5.5
12.75	21.0	-54.4	-13.6	-18.8	22.3	1.0	33.0	27.1	28.5	5.5
13.00	20.9	-55.6	-14.1	-19.5	25.8	1.0	33.3	27.1	28.8	5.4
13.25	20.9	-56.2	-15.8	-20.7	28.3	1.0	33.3	27.2	28.7	5.4
13.50	20.8	-56.5	-16.8	-21.4	29.6	1.0	33.4	27.2	28.6	5.3
13.75	20.8	-55.7	-20.2	-22.8	27.2	1.0	33.4	27.2	29.2	5.2
14.00	20.8	-55.8	-22.4	-23.3	27.7	1.0	33.3	27.3	29.3	5.2
14.25	20.8	-58.2	-31.0	-23.1	36.6	1.0	33.3	27.2	29.2	5.1
14.50	20.8	-55.3	-38.3	-22.6	26.3	1.0	33.4	27.3	28.8	5.1
14.75	20.9	-56.6	-27.6	-21.7	30.2	1.0	33.4	27.2	28.9	5.1
15.00	20.9	-57.1	-23.4	-20.8	31.8	1.0	33.6	27.3	28.7	5.0
15.25	21.0	-56.7	-20.1	-20.0	29.7	1.0	33.8	27.2	28.5	5.1
15.50	21.1	-56.9	-18.4	-19.6	29.9	1.0	33.6	27.1	28.5	5.1
15.75	21.3	-56.6	-16.9	-19.2	28.2	1.0	33.4	27.0	28.7	5.0
16.00	21.5	-54.3	-15.9	-19.1	20.9	1.0	33.5	27.0	28.7	5.1
16.25	21.9	-54.6	-15.7	-19.0	20.7	1.0	33.3	27.0	28.9	5.1
16.50	22.2	-54.2	-15.1	-19.2	19.0	1.0	33.2	27.1	28.6	5.1
16.75	22.7	-51.5	-15.8	-19.2	13.3	1.0	33.1	27.1	28.0	5.1
17.00	23.0	-51.8	-15.5	-19.0	13.2	1.0	32.8	27.2	28.5	5.1
17.25	23.4	-49.3	-16.5	-18.4	9.5	1.0	32.5	27.3	28.8	5.2
17.50	23.5	-49.5	-16.5	-17.8	9.6	1.0	32.5	27.4	28.9	5.2
17.75	23.6	-49.3	-16.7	-17.3	9.2	1.0	32.5	27.4	29.0	5.3
18.00	23.6	-49.8	-16.7	-17.4	9.9	1.0	32.5	27.5	28.9	5.3
18.25	23.3	-48.9	-15.9	-17.5	9.1	1.0	32.8	27.5	28.9	5.4
18.50	23.0	-49.3	-15.9	-17.4	9.9	1.0	32.7	27.3	28.9	5.6
18.75	22.5	-50.2	-14.7	-16.9	11.6	1.0	32.9	27.0	28.5	5.7
19.00	22.0	-50.8	-15.0	-16.4	13.1	1.0	32.7	26.8	27.9	5.9
19.25	21.0	-51.7	-15.3	-15.9	16.2	1.0	32.8	26.4	27.9	6.2
19.50	20.1	-51.6	-17.1	-15.7	17.9	1.0	32.6	26.1	27.2	6.6
19.75	18.2	-53.5	-19.8	-15.2	28.1	1.0	32.6	25.6	26.1	7.2
20.00	16.5	-52.6	-18.1	-14.8	30.5	1.0	33.0	25.3	25.4	7.7