

*Typical Performance Data*

**NOTE: Use PDF Bookmarks to view DATA at required conditions**

**Definitions:**

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: V<sub>CC</sub> = +6 V; V<sub>C</sub> = +6 V; V<sub>B</sub> = +5.4 V, I<sub>CC</sub> = 123 mA, I<sub>C</sub> = 7.38 mA, I<sub>B</sub> = 12.21 mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	IP-3 Input	1dB Comp. Output	3dB Comp. Output	Noise Figure
					K	Measure					
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
4.00	18.4	-60.4	-5.6	-14.2	47.4	1.2	29.6	11.1	21.1	23.7	7.2
4.50	18.7	-55.7	-6.5	-16.2	29.4	1.2	28.6	9.9	20.9	23.2	6.5
5.00	18.8	-54.6	-7.4	-15.2	26.9	1.1	30.0	11.3	20.5	22.8	5.7
5.50	18.6	-54.2	-8.2	-13.1	26.8	1.1	29.1	10.5	20.1	22.5	5.0
6.00	18.5	-51.8	-8.9	-11.2	20.7	1.0	29.8	11.3	20.0	22.5	4.6
6.50	18.5	-51.4	-9.4	-10.3	19.9	1.0	29.2	10.7	19.9	22.4	4.3
7.00	18.6	-50.1	-10.1	-10.3	17.4	1.0	30.2	11.6	19.9	22.3	4.2
7.50	18.9	-48.5	-11.0	-10.9	14.5	1.0	29.4	10.5	19.9	22.2	4.3
8.00	19.1	-48.0	-11.6	-11.6	13.7	1.0	28.8	9.7	20.1	22.1	4.3
8.50	19.4	-46.7	-11.7	-12.5	11.7	1.0	29.0	9.6	20.1	22.0	4.3
9.00	19.5	-45.8	-11.1	-13.6	10.5	1.0	28.5	9.0	20.2	22.0	4.4
9.50	19.6	-45.4	-10.1	-15.3	9.9	1.1	30.4	10.9	20.2	21.9	4.5
10.00	19.6	-44.4	-9.2	-17.3	8.8	1.1	29.4	9.9	20.1	21.7	4.2
10.50	19.6	-44.2	-8.8	-20.0	8.6	1.1	29.2	9.6	20.0	21.4	4.0
11.00	19.6	-43.3	-8.9	-22.4	7.8	1.1	29.6	10.0	19.8	21.2	3.9
11.50	19.3	-42.4	-9.6	-20.8	7.5	1.1	29.5	10.1	19.6	21.0	3.9
12.00	19.5	-41.6	-10.8	-22.5	6.9	1.1	28.6	9.1	19.3	20.9	4.1
12.50	19.8	-40.7	-12.4	-25.7	6.3	1.0	28.1	8.3	19.2	20.5	4.3
13.00	19.8	-40.0	-12.9	-29.5	5.9	1.0	27.5	7.7	18.6	20.2	4.4
13.50	19.4	-39.6	-10.9	-19.9	5.7	1.1	27.0	7.6	18.1	19.6	4.6
14.00	18.8	-39.4	-8.9	-15.8	5.6	1.1	26.7	7.9	17.5	19.6	4.6
14.50	18.2	-39.3	-8.0	-14.4	5.8	1.1	26.3	8.2	17.6	19.7	4.8
15.00	17.8	-39.0	-8.0	-14.6	5.8	1.1	26.8	9.0	17.5	19.7	5.0
15.50	17.6	-38.5	-8.5	-15.4	5.8	1.1	26.2	8.6	17.1	19.7	5.1
16.00	17.5	-38.2	-9.1	-15.7	5.8	1.1	26.2	8.7	17.3	19.6	5.4
16.50	17.4	-37.6	-9.9	-16.2	5.6	1.1	27.0	9.6	17.2	19.2	5.4
17.00	17.3	-37.4	-11.4	-18.8	5.8	1.1	25.6	8.3	16.5	19.0	5.4
17.50	17.2	-37.0	-14.0	-23.3	5.9	1.0	24.1	6.8	16.1	18.5	5.4
18.00	17.0	-36.4	-17.6	-27.0	5.8	1.0	24.4	7.4	15.4	18.1	5.6
18.50	16.6	-36.4	-19.7	-23.7	6.2	1.0	23.2	6.6	14.9	17.4	5.8
19.00	16.0	-36.9	-17.3	-16.3	7.0	1.0	22.7	6.7	14.1	17.0	6.0
19.50	15.0	-37.2	-14.1	-12.3	7.7	1.0	21.6	6.5	13.6	16.2	6.4
20.00	14.1	-37.5	-12.2	-11.0	8.4	1.0	21.1	7.0	12.6	15.6	6.9