

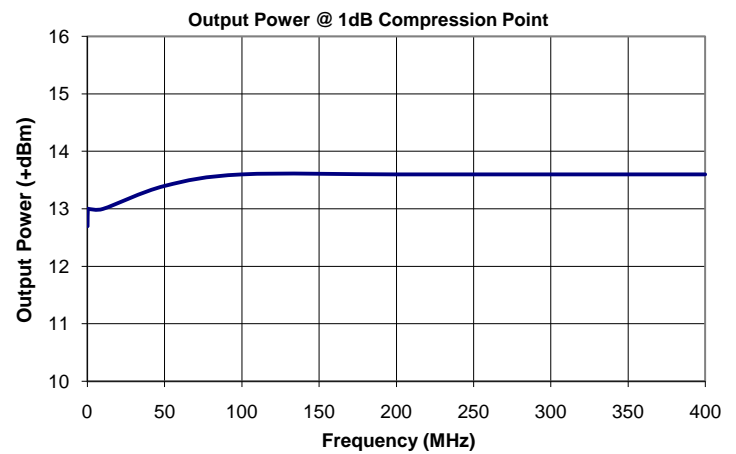
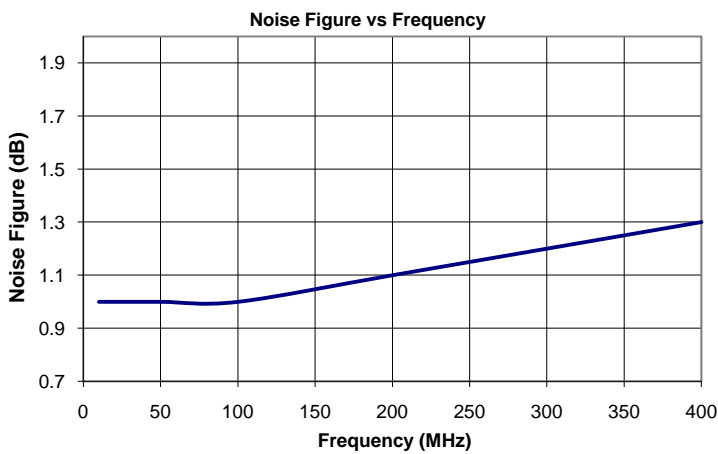
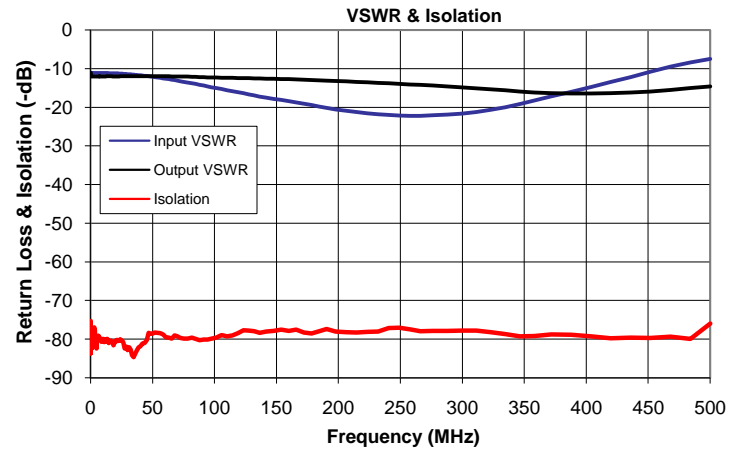
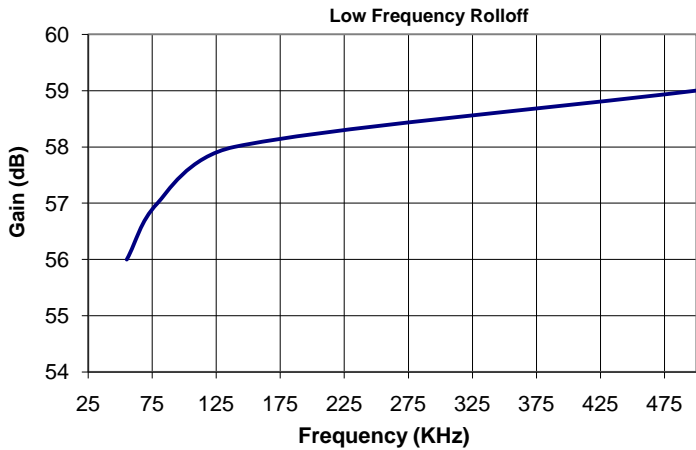
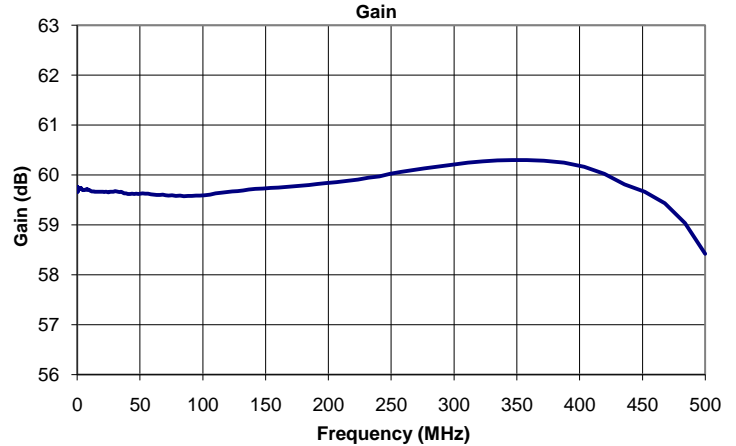
AU-1519

Features

- 3-Year Warranty
- Very Low Noise Figure
- Excellent Low Frequency Response
- Internally Regulated to +8V
- Reverse Voltage Protected
- Input Limiter Protected

Parameter	Specification
Frequency Range	0.3 - 400 MHz
Gain	58 dB Min, 60 dB Typ.
Gain Flatness	± 0.75 dB Max, ± 0.4 dB Typ.
Input VSWR	2.0:1 Max.
Output VSWR	2.0:1 Max.
*Noise Figure (dB)	1.2, 1.2, 1.3 (1.1, 1.1, 1.2 Typ.)
Output P1dB	+12 dBm Min, +13 dBm Typ.
DC Voltage	+11 to +30 (Marked for +15V)
DC Current	100 mA Max, 75 mA Typ.

*Noise Figure at 10 MHz, 200 MHz & 400 MHz



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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
0.30	59.8	-75.3	-11.7	-11.1	50.1
0.31	59.7	-81.4	-11.8	-11.2	125.5
0.33	59.7	-80.8	-11.7	-11.3	77.3
0.34	59.7	-81.7	-11.6	-11.3	58.2
0.35	59.7	-81.6	-11.6	-11.4	57.6
0.36	59.7	-82.1	-11.6	-11.4	58.5
0.38	59.7	-83.6	-11.5	-11.5	68.4
0.39	59.7	-81.9	-11.5	-11.5	34.7
0.40	59.7	-82.7	-11.4	-11.6	59.4
0.42	59.7	-82.7	-11.4	-11.6	45.9
0.44	59.7	-81.5	-11.4	-11.6	53.4
0.45	59.7	-82.1	-11.4	-11.7	50.5
0.47	59.7	-81.9	-11.4	-11.7	32.3
0.49	59.7	-82.0	-11.4	-11.7	39.7
0.51	59.7	-81.5	-11.3	-11.8	35.0
0.53	59.7	-80.1	-11.3	-11.8	22.1
0.54	59.7	-80.1	-11.3	-11.8	24.3
0.56	59.7	-80.2	-11.3	-11.8	24.3
0.59	59.7	-81.2	-11.3	-11.8	15.8
0.61	59.7	-81.1	-11.3	-11.9	15.8
0.64	59.7	-80.5	-11.3	-11.9	15.7
0.66	59.7	-80.4	-11.3	-11.9	27.0
0.69	59.7	-80.5	-11.3	-11.9	17.7
0.71	59.7	-80.8	-11.3	-11.9	15.5
0.73	59.7	-81.5	-11.3	-12.0	16.2
0.76	59.7	-81.9	-11.3	-12.0	19.4
0.79	59.7	-81.1	-11.3	-12.0	13.0
0.82	59.7	-80.1	-11.2	-12.0	21.8
0.85	59.7	-80.2	-11.2	-12.0	14.5
0.89	59.7	-81.8	-11.3	-12.0	14.4
0.92	59.7	-81.8	-11.2	-12.0	10.4
0.96	59.7	-82.0	-11.2	-12.0	8.8
0.99	59.7	-82.4	-11.2	-12.0	12.3
1.02	59.7	-81.6	-11.2	-12.1	9.9
1.06	59.7	-81.4	-11.2	-12.1	10.0
1.10	59.7	-81.5	-11.2	-12.1	5.2
1.15	59.7	-81.0	-11.2	-12.1	6.1
1.19	59.7	-81.5	-11.2	-12.1	7.3
1.24	59.7	-80.2	-11.2	-12.1	5.0
1.29	59.7	-80.9	-11.2	-12.1	9.1
1.34	59.7	-80.5	-11.2	-12.1	10.1
1.38	59.7	-80.5	-11.2	-12.1	6.4
1.43	59.7	-80.3	-11.2	-12.1	7.5
1.48	59.7	-80.1	-11.2	-12.1	4.0
1.53	59.7	-80.3	-11.2	-12.1	7.2
1.60	59.7	-81.6	-11.2	-12.1	2.2
1.66	59.7	-81.1	-11.2	-12.1	3.7
1.73	59.7	-80.6	-11.2	-12.1	4.8
1.79	59.7	-79.9	-11.2	-12.1	3.7
1.86	59.7	-80.9	-11.2	-12.1	3.1
1.92	59.7	-80.7	-11.2	-12.1	4.3
1.99	59.7	-80.9	-11.2	-12.1	3.4
2.06	59.7	-81.4	-11.2	-12.1	3.9

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
2.15	59.7	-81.0	-11.2	-12.1	4.2
2.24	59.7	-80.6	-11.1	-12.1	4.0
2.33	59.7	-80.5	-11.1	-12.1	3.2
2.42	59.7	-80.1	-11.1	-12.1	2.3
2.51	59.7	-80.0	-11.1	-12.1	3.0
2.60	59.7	-79.0	-11.1	-12.1	2.9
2.69	59.7	-78.7	-11.1	-12.1	1.2
2.78	59.7	-78.5	-11.1	-12.1	1.2
2.88	59.7	-78.1	-11.1	-12.1	2.9
3.01	59.7	-77.7	-11.1	-12.0	1.4
3.13	59.7	-77.0	-11.1	-12.0	2.3
3.26	59.7	-77.3	-11.1	-12.0	2.6
3.38	59.7	-78.0	-11.1	-12.0	3.3
3.51	59.7	-77.7	-11.1	-12.0	2.3
3.63	59.7	-77.6	-11.1	-12.0	2.5
3.75	59.7	-79.2	-11.1	-12.0	3.7
3.88	59.7	-80.4	-11.1	-12.0	2.6
4.03	59.7	-80.7	-11.1	-12.0	1.5
4.20	59.7	-81.1	-11.1	-12.0	2.4
4.37	59.7	-81.3	-11.1	-12.0	2.7
4.55	59.7	-81.2	-11.1	-12.0	1.9
4.72	59.7	-80.9	-11.1	-12.0	1.8
4.89	59.7	-82.4	-11.1	-12.0	2.4
5.07	59.7	-82.3	-11.1	-12.0	1.2
5.24	59.7	-80.5	-11.1	-12.0	2.2
5.42	59.7	-79.6	-11.1	-12.0	2.0
5.62	59.7	-79.4	-11.1	-12.0	1.9
5.86	59.7	-79.6	-11.1	-12.0	1.8
6.10	59.7	-79.4	-11.1	-12.0	1.3
6.33	59.7	-79.1	-11.1	-12.0	1.1
6.57	59.7	-79.9	-11.1	-12.0	2.1
6.81	59.7	-79.2	-11.1	-12.0	1.0
7.05	59.7	-79.5	-11.1	-12.0	1.8
7.29	59.7	-79.9	-11.1	-12.0	1.3
7.56	59.7	-80.2	-11.1	-12.0	1.6
7.89	59.7	-79.8	-11.1	-12.0	1.6
8.21	59.7	-80.2	-11.1	-12.0	1.4
8.54	59.7	-80.3	-11.1	-12.0	1.5
8.87	59.7	-80.7	-11.1	-12.0	2.0
9.19	59.7	-80.1	-11.1	-12.0	1.7
9.52	59.7	-79.9	-11.1	-12.0	1.9
9.85	59.7	-80.2	-11.1	-12.0	2.1
10.2	59.7	-80.2	-11.1	-12.0	1.5
10.6	59.7	-79.9	-11.1	-12.0	1.6
11.0	59.7	-80.8	-11.1	-12.0	1.7
11.5	59.7	-80.2	-11.1	-12.0	2.1
11.9	59.7	-80.7	-11.1	-12.0	1.9
12.4	59.7	-80.4	-11.1	-12.0	1.3
12.8	59.7	-80.1	-11.1	-12.0	1.6
13.3	59.7	-79.9	-11.1	-12.0	1.5
13.8	59.7	-80.0	-11.1	-12.0	1.4
14.2	59.7	-80.3	-11.1	-12.0	1.5
14.7	59.7	-81.0	-11.1	-12.0	1.8

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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
15.4	59.7	-80.5	-11.1	-12.0	1.7
16.0	59.7	-80.6	-11.1	-12.0	1.3
16.7	59.7	-80.3	-11.1	-12.0	1.2
17.3	59.7	-80.8	-11.1	-12.0	1.5
17.9	59.7	-81.0	-11.1	-12.0	1.5
18.6	59.7	-81.6	-11.2	-12.0	1.3
19.2	59.7	-81.2	-11.2	-12.0	1.3
19.8	59.7	-80.4	-11.2	-12.0	1.6
20.6	59.7	-80.6	-11.2	-12.0	1.2
21.5	59.7	-80.1	-11.2	-12.0	1.4
22.3	59.7	-80.4	-11.2	-12.0	1.4
23.2	59.7	-80.4	-11.2	-12.0	1.6
24.1	59.7	-80.0	-11.3	-12.0	1.5
24.9	59.7	-80.3	-11.3	-12.0	1.3
25.8	59.7	-80.4	-11.3	-12.0	1.5
26.7	59.7	-80.9	-11.3	-12.0	1.4
27.7	59.7	-82.4	-11.3	-12.0	1.4
28.9	59.7	-81.9	-11.4	-12.0	1.5
30.1	59.7	-82.8	-11.4	-12.0	1.4
31.3	59.7	-82.1	-11.4	-12.0	1.6
32.5	59.7	-82.8	-11.5	-12.0	1.3
33.7	59.7	-84.2	-11.5	-12.0	1.5
34.9	59.7	-84.6	-11.5	-12.0	1.6
36.1	59.7	-83.7	-11.6	-11.9	1.5
37.3	59.6	-83.1	-11.6	-11.9	1.6
38.7	59.6	-82.2	-11.7	-11.9	1.4
40.3	59.6	-81.8	-11.7	-11.9	1.3
42.0	59.6	-81.1	-11.8	-11.9	1.5
43.7	59.6	-81.0	-11.8	-11.9	1.4
45.4	59.6	-80.3	-11.9	-11.9	1.5
47.0	59.6	-78.4	-11.9	-11.9	1.6
48.7	59.6	-78.6	-12.0	-12.0	1.5
50.4	59.6	-78.5	-12.1	-12.0	1.5
52.0	59.6	-78.3	-12.2	-12.0	1.4
54.0	59.6	-78.3	-12.3	-12.0	1.6
56.3	59.6	-78.4	-12.4	-12.0	1.5
58.7	59.6	-78.8	-12.5	-12.0	1.5
61.0	59.6	-79.5	-12.6	-12.0	1.4
63.3	59.6	-79.6	-12.7	-12.0	1.4
65.7	59.6	-79.8	-12.8	-12.0	1.4
68.0	59.6	-79.0	-13.0	-12.0	1.4
70.3	59.6	-79.3	-13.1	-12.0	1.5
72.7	59.6	-79.7	-13.2	-12.0	1.4
75.4	59.6	-79.8	-13.4	-12.1	1.4
78.6	59.6	-79.8	-13.6	-12.1	1.5
81.8	59.6	-79.6	-13.7	-12.1	1.4
85.0	59.6	-79.9	-13.9	-12.2	1.5
88.2	59.6	-80.3	-14.1	-12.2	1.5
91.4	59.6	-80.1	-14.3	-12.2	1.4
94.6	59.6	-80.1	-14.6	-12.3	1.4
97.8	59.6	-79.8	-14.8	-12.3	1.4
101.5	59.6	-79.6	-15.0	-12.3	1.5
105.8	59.6	-78.9	-15.3	-12.4	1.4

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
110.2	59.6	-79.3	-15.6	-12.4	1.4
114.6	59.6	-79.0	-15.8	-12.4	1.5
119.0	59.7	-78.4	-16.1	-12.4	1.5
123.4	59.7	-77.7	-16.3	-12.5	1.5
127.7	59.7	-77.8	-16.6	-12.5	1.5
132.1	59.7	-77.9	-16.9	-12.5	1.5
136.5	59.7	-78.3	-17.2	-12.6	1.5
141.7	59.7	-78.0	-17.5	-12.6	1.4
147.8	59.7	-77.8	-17.8	-12.6	1.5
153.9	59.7	-77.5	-18.1	-12.7	1.5
160.0	59.7	-77.9	-18.4	-12.7	1.5
166.1	59.8	-77.5	-18.8	-12.8	1.5
172.3	59.8	-78.2	-19.1	-12.8	1.5
178.4	59.8	-78.5	-19.4	-12.9	1.5
184.5	59.8	-77.9	-19.8	-13.0	1.5
190.6	59.8	-77.4	-20.1	-13.1	1.5
197.8	59.8	-78.0	-20.5	-13.2	1.5
206.3	59.9	-78.2	-20.9	-13.3	1.5
214.9	59.9	-78.2	-21.2	-13.4	1.5
223.4	59.9	-78.1	-21.5	-13.6	1.5
232.0	59.9	-78.0	-21.8	-13.7	1.5
240.5	60.0	-77.1	-22.0	-13.8	1.5
249.1	60.0	-77.0	-22.2	-13.9	1.6
257.6	60.1	-77.5	-22.2	-14.1	1.6
266.1	60.1	-78.0	-22.2	-14.2	1.6
276.2	60.1	-77.9	-22.1	-14.4	1.6
287.9	60.2	-77.9	-21.9	-14.6	1.6
299.6	60.2	-77.8	-21.6	-14.8	1.6
311.3	60.2	-77.8	-21.2	-15.1	1.6
323.0	60.3	-78.2	-20.7	-15.3	1.7
334.7	60.3	-78.7	-20.0	-15.6	1.7
346.4	60.3	-79.2	-19.2	-15.9	1.7
358.1	60.3	-79.2	-18.2	-16.1	1.7
371.6	60.3	-78.8	-17.1	-16.3	1.8
387.7	60.2	-78.8	-16.0	-16.4	1.8
403.7	60.2	-79.3	-14.7	-16.4	1.9
419.8	60.0	-79.8	-13.4	-16.3	1.9
435.8	59.8	-79.6	-12.2	-16.1	1.9
451.9	59.7	-79.7	-10.8	-16.0	2.0
467.9	59.4	-79.3	-9.5	-15.5	2.0
484.0	59.0	-79.9	-8.3	-15.0	2.1
500.0	58.4	-76.0	-7.4	-14.6	2.0