

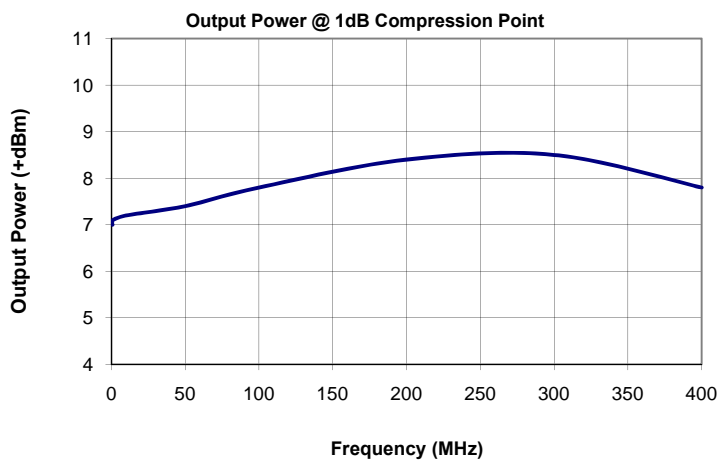
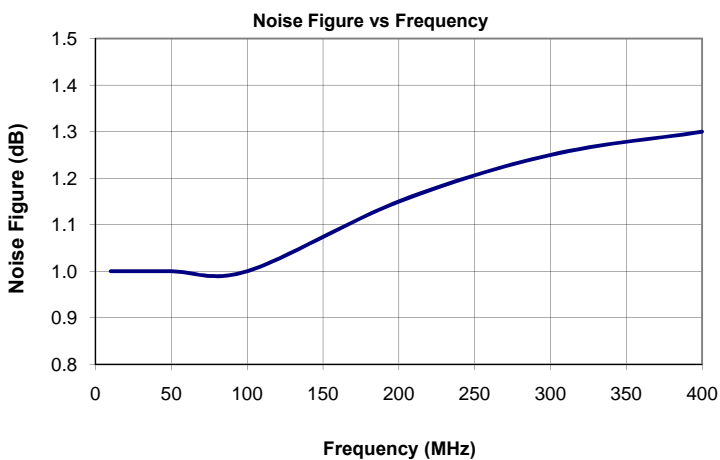
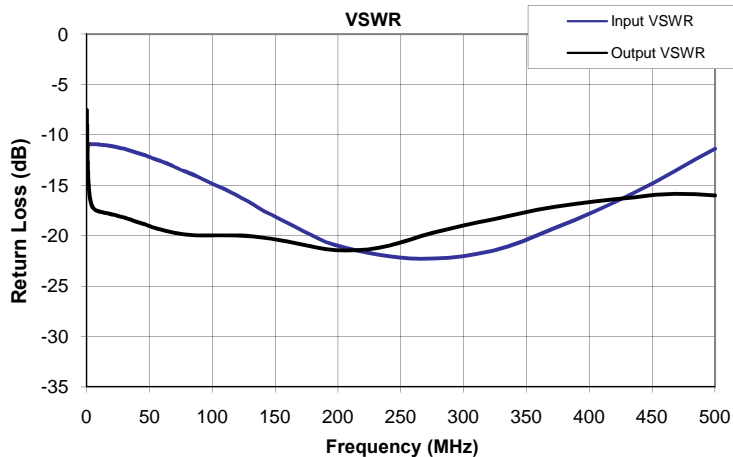
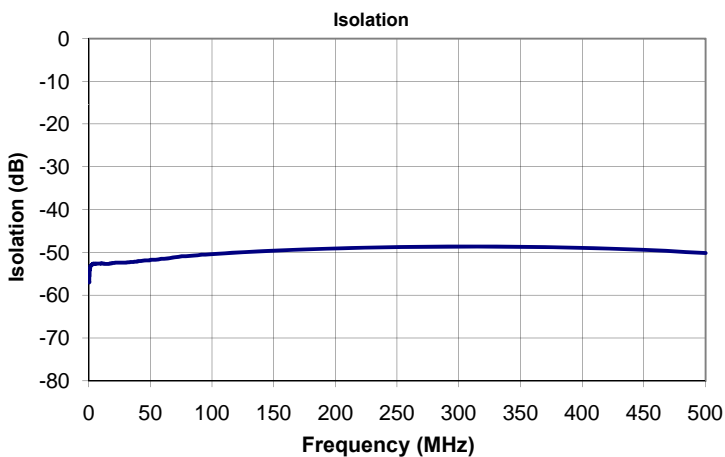
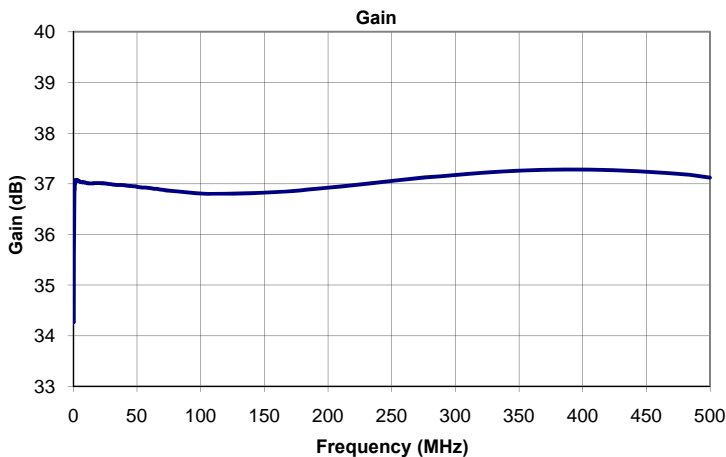
AU-1579

Features

- 3-Year Warranty
- Low Noise Figure
- Recovery (<10 μ Sec) after 20V Pulse
- Internally regulated to +8V
- Reverse voltage protected
- Input Limiter Protected

Parameter	Specification
Frequency Range	0.7 - 400 MHz
Gain	35 dB Min.
Gain Flatness	± 0.5 dB Max.
Input VSWR	2.0:1 Max.
Output VSWR	2.0:1 Max.
*Noise Figure (dB)	1.3, 1.2, 1.3
Output P1dB	+7 dBm Min.
DC Voltage	+11 to +30V (Marked for +15V)
DC Current	45 mA

*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 (nS)
0.30	34.3	-56.8	-12.6	-7.5	290.2
0.31	34.4	-57.0	-12.5	-7.7	289.3
0.33	34.6	-56.6	-12.4	-7.8	283.6
0.34	34.7	-56.4	-12.3	-8.0	265.6
0.35	34.9	-56.3	-12.2	-8.1	250.5
0.36	35.0	-56.1	-12.1	-8.3	242.1
0.38	35.1	-56.0	-12.1	-8.4	233.5
0.39	35.3	-55.7	-12.0	-8.6	219.3
0.40	35.4	-55.7	-11.9	-8.7	213.1
0.42	35.5	-55.6	-11.8	-8.9	199.9
0.44	35.6	-55.5	-11.8	-9.0	192.5
0.45	35.7	-55.4	-11.7	-9.2	180.1
0.47	35.8	-55.3	-11.7	-9.4	169.0
0.49	35.9	-55.1	-11.6	-9.5	166.5
0.51	36.0	-55.0	-11.6	-9.7	157.5
0.53	36.1	-54.9	-11.5	-9.9	145.8
0.54	36.1	-54.8	-11.5	-10.1	140.3
0.56	36.2	-54.6	-11.4	-10.3	130.0
0.59	36.3	-54.5	-11.4	-10.4	120.2
0.61	36.4	-54.3	-11.3	-10.6	115.7
0.64	36.4	-54.2	-11.3	-10.8	112.0
0.66	36.5	-54.2	-11.3	-11.0	107.0
0.69	36.5	-54.1	-11.2	-11.2	98.9
0.71	36.6	-54.1	-11.2	-11.4	92.0
0.73	36.6	-54.0	-11.2	-11.5	89.0
0.76	36.7	-54.0	-11.1	-11.7	83.2
0.79	36.7	-53.9	-11.1	-11.9	77.5
0.82	36.8	-53.9	-11.1	-12.0	74.1
0.85	36.8	-53.8	-11.1	-12.2	71.5
0.89	36.8	-53.8	-11.0	-12.4	64.5
0.92	36.9	-53.7	-11.0	-12.5	58.3
0.96	36.9	-53.6	-11.0	-12.7	57.3
0.99	36.9	-53.6	-11.0	-12.9	52.3
1.02	36.9	-53.5	-11.0	-13.0	48.7
1.06	37.0	-53.5	-11.0	-13.2	45.6
1.10	37.0	-53.4	-10.9	-13.4	44.3
1.15	37.0	-53.3	-10.9	-13.5	40.8
1.19	37.0	-53.3	-10.9	-13.7	37.5
1.24	37.0	-53.2	-10.9	-13.8	34.9
1.29	37.0	-53.2	-10.9	-14.0	33.6
1.34	37.0	-53.2	-10.9	-14.1	29.7
1.38	37.0	-53.1	-10.9	-14.2	30.3
1.43	37.0	-53.1	-10.9	-14.4	26.9
1.48	37.1	-53.1	-10.9	-14.5	25.5
1.53	37.1	-53.1	-10.9	-14.6	23.2
1.60	37.1	-53.1	-10.9	-14.8	21.1
1.66	37.1	-53.1	-10.9	-14.9	20.7
1.73	37.1	-53.1	-10.9	-15.0	18.9
1.79	37.1	-53.0	-10.9	-15.1	17.1
1.86	37.1	-53.0	-10.9	-15.2	16.9
1.92	37.1	-53.0	-10.9	-15.4	15.0
1.99	37.1	-52.9	-10.9	-15.5	13.5
2.06	37.1	-52.9	-10.9	-15.6	13.2

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay (nS)
2.15	37.1	-52.9	-10.9	-15.7	12.5
2.24	37.1	-52.9	-10.9	-15.8	11.5
2.33	37.1	-52.8	-10.9	-15.9	10.3
2.42	37.1	-52.9	-10.9	-16.0	9.9
2.51	37.1	-52.8	-10.9	-16.1	10.1
2.60	37.1	-52.8	-10.9	-16.2	8.8
2.69	37.1	-52.7	-10.9	-16.2	7.8
2.78	37.1	-52.7	-10.9	-16.3	8.1
2.88	37.1	-52.7	-10.9	-16.4	6.9
3.01	37.1	-52.7	-10.9	-16.5	6.5
3.13	37.1	-52.7	-10.9	-16.6	6.0
3.26	37.1	-52.7	-10.9	-16.6	5.8
3.38	37.1	-52.6	-10.9	-16.7	5.5
3.51	37.1	-52.6	-10.9	-16.8	4.6
3.63	37.1	-52.6	-10.9	-16.8	4.4
3.75	37.1	-52.7	-10.9	-16.9	4.5
3.88	37.1	-52.7	-10.9	-16.9	4.0
4.03	37.1	-52.7	-10.9	-17.0	3.9
4.20	37.1	-52.6	-10.9	-17.0	3.6
4.37	37.1	-52.6	-10.9	-17.1	4.1
4.55	37.1	-52.6	-10.9	-17.1	3.9
4.72	37.0	-52.6	-10.9	-17.1	3.4
4.89	37.0	-52.6	-10.9	-17.2	3.5
5.07	37.0	-52.6	-10.9	-17.2	3.2
5.24	37.0	-52.6	-10.9	-17.3	3.0
5.42	37.0	-52.6	-10.9	-17.3	3.0
5.62	37.0	-52.6	-10.9	-17.3	3.0
5.86	37.0	-52.6	-10.9	-17.3	2.7
6.10	37.0	-52.6	-10.9	-17.4	2.5
6.33	37.0	-52.6	-10.9	-17.4	1.9
6.57	37.0	-52.6	-10.9	-17.4	2.3
6.81	37.0	-52.6	-10.9	-17.4	2.0
7.05	37.0	-52.6	-10.9	-17.5	2.2
7.29	37.0	-52.6	-10.9	-17.5	2.1
7.56	37.0	-52.6	-10.9	-17.5	2.0
7.89	37.0	-52.6	-10.9	-17.5	2.0
8.21	37.0	-52.6	-10.9	-17.5	1.7
8.54	37.0	-52.6	-10.9	-17.5	1.9
8.87	37.0	-52.6	-10.9	-17.6	2.2
9.19	37.0	-52.6	-10.9	-17.6	1.9
9.52	37.0	-52.5	-10.9	-17.6	2.1
9.85	37.0	-52.5	-11.0	-17.6	1.9
10.2	37.0	-52.6	-11.0	-17.6	1.8
10.6	37.0	-52.5	-11.0	-17.6	1.8
11.0	37.0	-52.5	-11.0	-17.6	1.8
11.5	37.0	-52.6	-11.0	-17.6	1.8
11.9	37.0	-52.6	-11.0	-17.7	1.7
12.4	37.0	-52.6	-11.0	-17.7	1.4
12.8	37.0	-52.6	-11.0	-17.7	1.6
13.3	37.0	-52.6	-11.0	-17.7	1.4
13.8	37.0	-52.7	-11.0	-17.7	1.4
14.2	37.0	-52.7	-11.0	-17.7	1.4
14.7	37.0	-52.6	-11.0	-17.7	1.4

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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay (nS)
15.4	37.0	-52.7	-11.0	-17.8	1.3
16.0	37.0	-52.6	-11.0	-17.8	1.5
16.7	37.0	-52.6	-11.0	-17.8	1.3
17.3	37.0	-52.6	-11.1	-17.8	1.4
17.9	37.0	-52.5	-11.1	-17.8	1.3
18.6	37.0	-52.5	-11.1	-17.8	1.4
19.2	37.0	-52.5	-11.1	-17.9	1.4
19.8	37.0	-52.4	-11.1	-17.9	1.4
20.6	37.0	-52.4	-11.1	-17.9	1.3
21.5	37.0	-52.3	-11.1	-17.9	1.4
22.3	37.0	-52.4	-11.2	-17.9	1.3
23.2	37.0	-52.4	-11.2	-18.0	1.3
24.1	37.0	-52.4	-11.2	-18.0	1.4
24.9	37.0	-52.4	-11.2	-18.0	1.3
25.8	37.0	-52.4	-11.3	-18.1	1.3
26.7	37.0	-52.4	-11.3	-18.1	1.3
27.7	37.0	-52.3	-11.3	-18.1	1.3
28.9	37.0	-52.4	-11.3	-18.2	1.3
30.1	37.0	-52.3	-11.4	-18.2	1.3
31.3	37.0	-52.3	-11.4	-18.3	1.3
32.5	37.0	-52.3	-11.5	-18.3	1.3
33.7	37.0	-52.2	-11.5	-18.3	1.3
34.9	37.0	-52.2	-11.6	-18.4	1.3
36.1	37.0	-52.2	-11.6	-18.5	1.3
37.3	37.0	-52.1	-11.7	-18.5	1.3
38.7	37.0	-52.1	-11.7	-18.6	1.3
40.3	37.0	-52.0	-11.8	-18.6	1.3
42.0	37.0	-52.0	-11.8	-18.7	1.3
43.7	37.0	-51.9	-11.9	-18.8	1.3
45.4	37.0	-51.8	-12.0	-18.8	1.3
47.0	37.0	-51.8	-12.0	-18.9	1.3
48.7	36.9	-51.8	-12.1	-19.0	1.3
50.4	36.9	-51.7	-12.2	-19.1	1.3
52.0	36.9	-51.7	-12.3	-19.1	1.3
54.0	36.9	-51.7	-12.4	-19.2	1.3
56.3	36.9	-51.6	-12.5	-19.3	1.2
58.7	36.9	-51.5	-12.6	-19.4	1.3
61.0	36.9	-51.4	-12.7	-19.5	1.2
63.3	36.9	-51.4	-12.8	-19.5	1.3
65.7	36.9	-51.3	-12.9	-19.6	1.2
68.0	36.9	-51.2	-13.1	-19.7	1.2
70.3	36.9	-51.1	-13.2	-19.7	1.2
72.7	36.9	-51.0	-13.3	-19.8	1.2
75.4	36.9	-50.9	-13.5	-19.9	1.2
78.6	36.9	-50.9	-13.6	-19.9	1.2
81.8	36.8	-50.8	-13.8	-19.9	1.2
85.0	36.8	-50.7	-13.9	-20.0	1.2
88.2	36.8	-50.6	-14.1	-20.0	1.2
91.4	36.8	-50.5	-14.3	-20.0	1.2
94.6	36.8	-50.5	-14.5	-20.0	1.2
97.8	36.8	-50.4	-14.7	-20.0	1.2
101.5	36.8	-50.3	-14.9	-20.0	1.2
105.8	36.8	-50.3	-15.2	-20.0	1.2

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay (nS)
110.2	36.8	-50.2	-15.4	-20.0	1.2
114.6	36.8	-50.1	-15.7	-20.0	1.2
119.0	36.8	-50.0	-15.9	-20.0	1.2
123.4	36.8	-49.9	-16.2	-20.0	1.2
127.7	36.8	-49.9	-16.5	-20.0	1.2
132.1	36.8	-49.8	-16.9	-20.1	1.2
136.5	36.8	-49.7	-17.2	-20.1	1.2
141.7	36.8	-49.7	-17.6	-20.2	1.2
147.8	36.8	-49.6	-17.9	-20.3	1.2
153.9	36.8	-49.5	-18.3	-20.5	1.2
160.0	36.8	-49.4	-18.7	-20.6	1.2
166.1	36.8	-49.4	-19.1	-20.7	1.2
172.3	36.9	-49.3	-19.5	-20.9	1.2
178.4	36.9	-49.2	-19.9	-21.1	1.2
184.5	36.9	-49.2	-20.3	-21.2	1.2
190.6	36.9	-49.1	-20.6	-21.4	1.2
197.8	36.9	-49.1	-20.9	-21.4	1.2
206.3	36.9	-49.0	-21.2	-21.5	1.2
214.9	37.0	-48.9	-21.5	-21.5	1.2
223.4	37.0	-48.9	-21.7	-21.4	1.2
232.0	37.0	-48.8	-21.9	-21.2	1.2
240.5	37.0	-48.8	-22.0	-21.0	1.2
249.1	37.1	-48.8	-22.2	-20.7	1.3
257.6	37.1	-48.7	-22.2	-20.4	1.3
266.1	37.1	-48.7	-22.3	-20.0	1.3
276.2	37.1	-48.7	-22.3	-19.7	1.3
287.9	37.2	-48.7	-22.2	-19.3	1.3
299.6	37.2	-48.6	-22.0	-19.0	1.3
311.3	37.2	-48.7	-21.8	-18.7	1.3
323.0	37.2	-48.6	-21.5	-18.4	1.3
334.7	37.2	-48.6	-21.1	-18.1	1.3
346.4	37.3	-48.7	-20.6	-17.8	1.3
358.1	37.3	-48.7	-20.0	-17.4	1.4
371.6	37.3	-48.7	-19.3	-17.1	1.4
387.7	37.3	-48.8	-18.5	-16.9	1.4
403.7	37.3	-48.9	-17.6	-16.6	1.4
419.8	37.3	-49.1	-16.7	-16.4	1.4
435.8	37.3	-49.2	-15.7	-16.2	1.4
451.9	37.2	-49.4	-14.7	-15.9	1.5
467.9	37.2	-49.6	-13.6	-15.9	1.5
484.0	37.2	-49.9	-12.5	-15.9	1.5
500.0	37.1	-50.1	-11.4	-16.0	1.6