

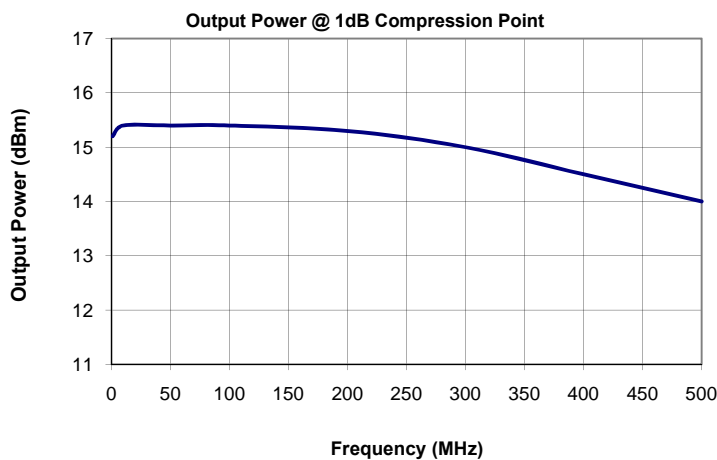
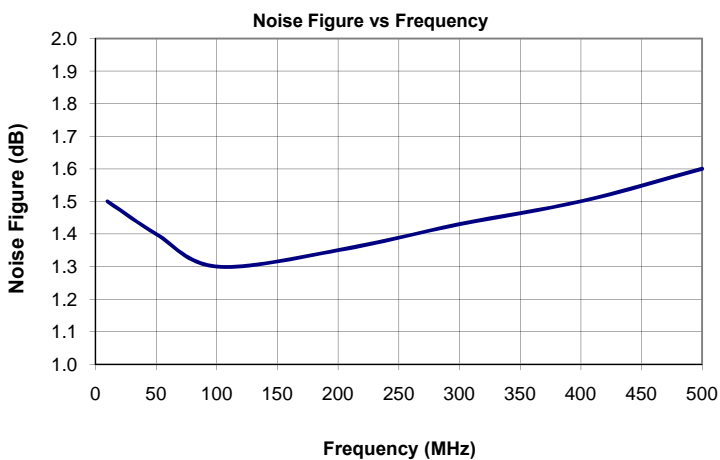
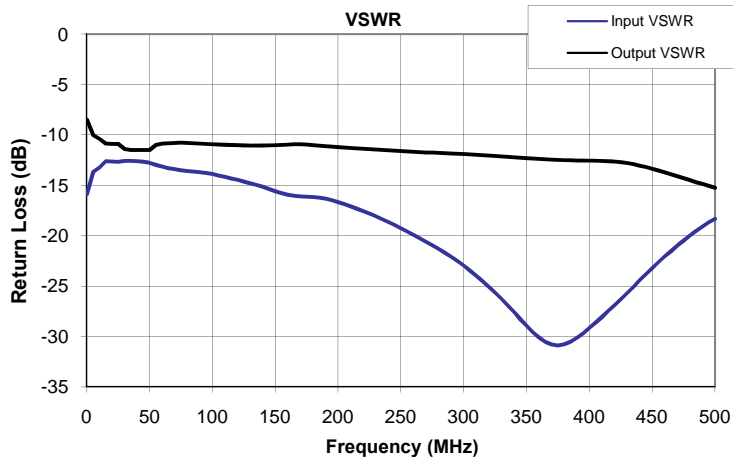
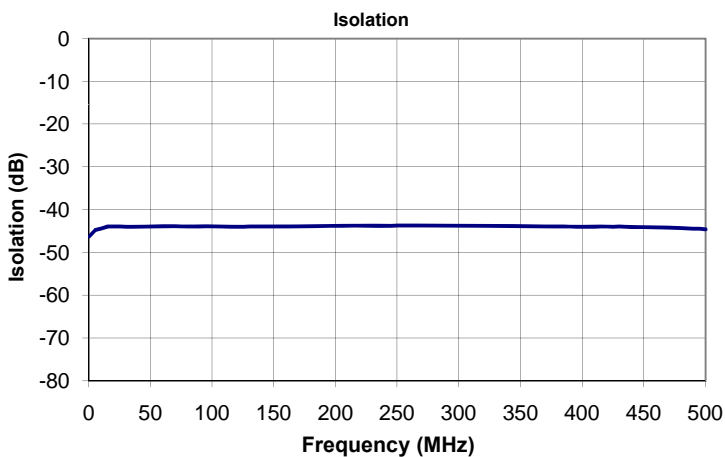
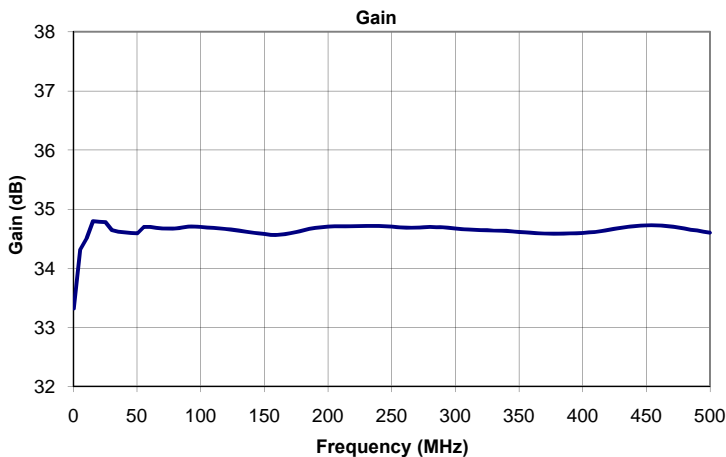
# AU-1543

## Features

- 3-Year Warranty
- Internally regulated to +12V
- Low Noise Figure
- Reverse voltage protected
- Good Dynamic Range
- Input Limiter Protected

Parameter	Specification
Frequency Range	1-500 MHz
Gain	34 dB Min.
Gain Flatness	± 0.5 dB Max.
Input VSWR	2.0:1 Max.
Output VSWR	2.0:1 Max.
*Noise Figure (dB)	1.5, 1.6, 1.8
Output P1dB	+14 dBm Min.
DC Voltage	+12 to +30 (Marked for +15V)
DC Current	80 mA

\*Noise Figure at 10 MHz, 250 MHz & 500 MHz



# AU-1543

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay (nS)
0.3	33.3	-46.3	-15.9	-8.5	14.7
5.3	34.3	-44.7	-13.7	-10.0	10.3
10.3	34.5	-44.4	-13.3	-10.4	6.7
15.3	34.8	-43.9	-12.6	-10.9	4.0
20.3	34.8	-43.9	-12.7	-10.9	1.3
25.3	34.8	-43.9	-12.7	-10.9	1.2
30.3	34.6	-44.0	-12.6	-11.4	1.3
35.3	34.6	-44.0	-12.6	-11.5	0.8
40.3	34.6	-44.0	-12.6	-11.5	0.9
45.3	34.6	-44.0	-12.7	-11.5	0.9
50.3	34.6	-43.9	-12.8	-11.5	0.9
55.3	34.7	-43.9	-13.0	-11.0	0.7
60.3	34.7	-43.8	-13.1	-10.9	1.2
65.3	34.7	-43.9	-13.3	-10.8	1.1
70.3	34.7	-43.9	-13.4	-10.8	1.0
75.3	34.7	-43.9	-13.5	-10.8	1.0
80.3	34.7	-43.9	-13.6	-10.8	1.0
85.2	34.7	-43.9	-13.7	-10.8	1.0
90.2	34.7	-43.9	-13.7	-10.9	1.0
95.2	34.7	-43.9	-13.8	-10.9	1.1
100.2	34.7	-43.9	-13.9	-10.9	1.0
105.2	34.7	-43.9	-14.0	-11.0	1.1
110.2	34.7	-43.9	-14.2	-11.0	1.0
115.2	34.7	-44.0	-14.3	-11.0	1.1
120.2	34.7	-44.0	-14.5	-11.0	1.0
125.2	34.6	-44.0	-14.6	-11.0	1.0
130.2	34.6	-43.9	-14.8	-11.1	1.0
135.2	34.6	-43.9	-15.0	-11.1	1.0
140.2	34.6	-43.9	-15.2	-11.0	1.0
145.2	34.6	-43.9	-15.4	-11.0	1.0
150.2	34.6	-43.9	-15.6	-11.0	1.0
155.2	34.6	-43.9	-15.8	-11.0	0.9
160.2	34.6	-43.9	-16.0	-10.9	0.9
165.2	34.6	-43.9	-16.1	-10.9	0.9
170.2	34.6	-43.9	-16.1	-10.9	0.9
175.2	34.6	-43.9	-16.1	-11.0	1.0
180.2	34.6	-43.9	-16.2	-11.0	1.0
185.2	34.7	-43.8	-16.2	-11.1	1.0
190.2	34.7	-43.8	-16.3	-11.1	1.1
195.2	34.7	-43.8	-16.5	-11.2	1.1
200.2	34.7	-43.8	-16.7	-11.2	1.1
205.2	34.7	-43.7	-16.9	-11.2	1.1
210.2	34.7	-43.7	-17.1	-11.3	1.0
215.2	34.7	-43.7	-17.3	-11.3	1.1
220.2	34.7	-43.7	-17.6	-11.4	1.0
225.2	34.7	-43.8	-17.8	-11.4	1.0
230.2	34.7	-43.7	-18.1	-11.5	1.0
235.2	34.7	-43.8	-18.4	-11.5	1.1
240.2	34.7	-43.8	-18.7	-11.5	1.1
245.2	34.7	-43.7	-19.0	-11.6	1.1
250.2	34.7	-43.7	-19.3	-11.6	1.0
255.1	34.7	-43.7	-19.6	-11.6	1.0
260.1	34.7	-43.7	-19.9	-11.7	1.1

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay (nS)
265.1	34.7	-43.7	-20.3	-11.7	1.0
270.1	34.7	-43.7	-20.6	-11.7	1.0
275.1	34.7	-43.7	-21.0	-11.8	1.1
280.1	34.7	-43.7	-21.3	-11.8	1.0
285.1	34.7	-43.7	-21.7	-11.8	1.1
290.1	34.7	-43.7	-22.1	-11.8	1.0
295.1	34.7	-43.8	-22.5	-11.9	1.1
300.1	34.7	-43.8	-23.0	-11.9	1.0
305.1	34.7	-43.7	-23.5	-11.9	1.1
310.1	34.7	-43.7	-24.0	-12.0	1.0
315.1	34.6	-43.8	-24.6	-12.0	1.1
320.1	34.6	-43.8	-25.1	-12.0	1.1
325.1	34.6	-43.8	-25.7	-12.1	1.1
330.1	34.6	-43.8	-26.3	-12.1	1.0
335.1	34.6	-43.8	-26.9	-12.2	1.1
340.1	34.6	-43.8	-27.6	-12.2	1.0
345.1	34.6	-43.8	-28.3	-12.3	1.0
350.1	34.6	-43.9	-28.9	-12.3	1.0
355.1	34.6	-43.9	-29.6	-12.3	1.0
360.1	34.6	-43.9	-30.1	-12.4	1.0
365.1	34.6	-43.9	-30.6	-12.4	1.1
370.1	34.6	-43.9	-30.8	-12.5	1.0
375.1	34.6	-43.9	-30.9	-12.5	1.0
380.1	34.6	-43.9	-30.8	-12.5	1.0
385.1	34.6	-43.9	-30.5	-12.5	1.1
390.1	34.6	-44.0	-30.2	-12.5	1.0
395.1	34.6	-44.0	-29.7	-12.5	1.0
400.1	34.6	-44.0	-29.2	-12.5	1.0
405.1	34.6	-44.0	-28.6	-12.6	1.0
410.1	34.6	-44.0	-28.1	-12.6	1.0
415.1	34.6	-44.0	-27.5	-12.6	1.1
420.0	34.6	-44.0	-26.9	-12.6	1.1
425.0	34.7	-44.0	-26.3	-12.7	1.1
430.0	34.7	-44.0	-25.7	-12.8	1.1
435.0	34.7	-44.0	-25.1	-12.9	1.2
440.0	34.7	-44.1	-24.4	-13.0	1.2
445.0	34.7	-44.0	-23.8	-13.2	1.2
450.0	34.7	-44.1	-23.2	-13.3	1.2
455.0	34.7	-44.1	-22.6	-13.5	1.2
460.0	34.7	-44.1	-22.1	-13.7	1.2
465.0	34.7	-44.1	-21.5	-13.9	1.2
470.0	34.7	-44.2	-21.0	-14.1	1.2
475.0	34.7	-44.3	-20.5	-14.3	1.2
480.0	34.7	-44.3	-20.0	-14.5	1.2
485.0	34.6	-44.3	-19.5	-14.7	1.2
490.0	34.6	-44.4	-19.1	-14.9	1.2
495.0	34.6	-44.5	-18.7	-15.1	1.2
500.0	34.6	-44.6	-18.3	-15.2	1.1