

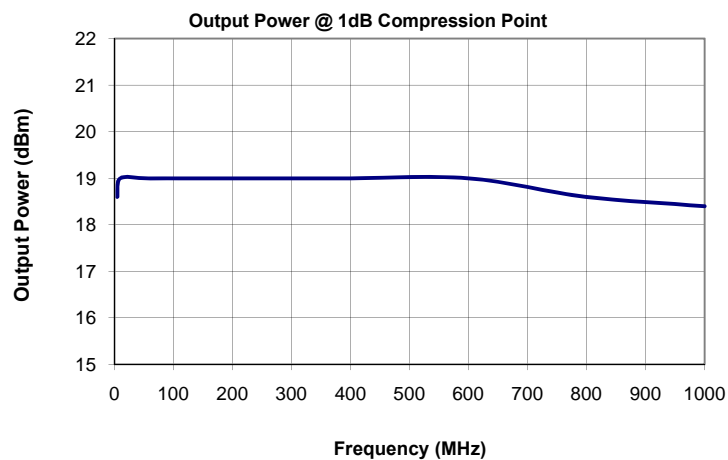
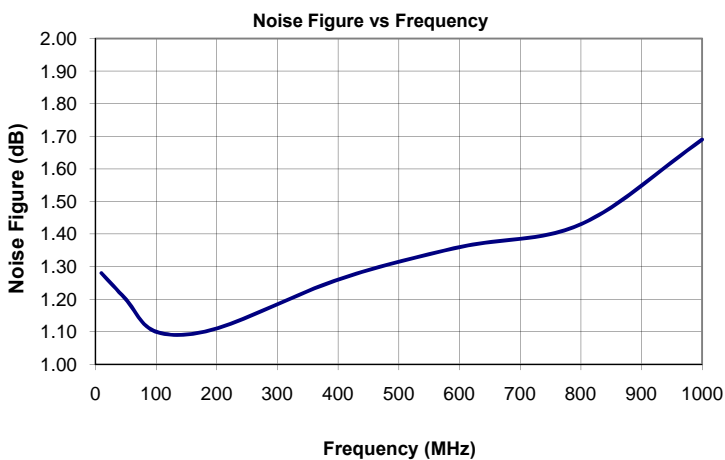
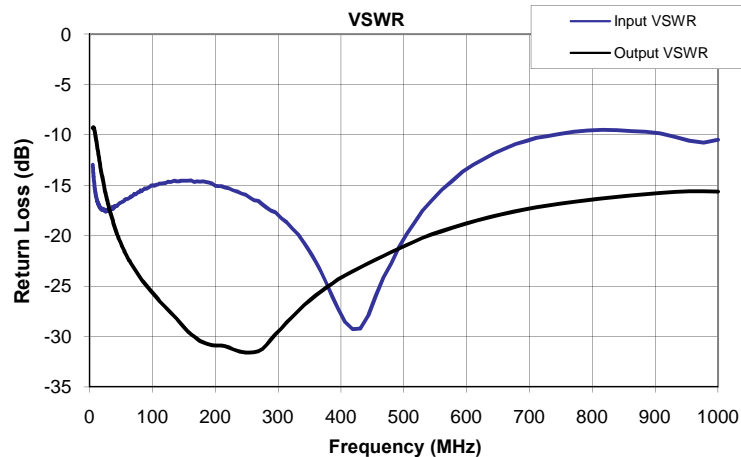
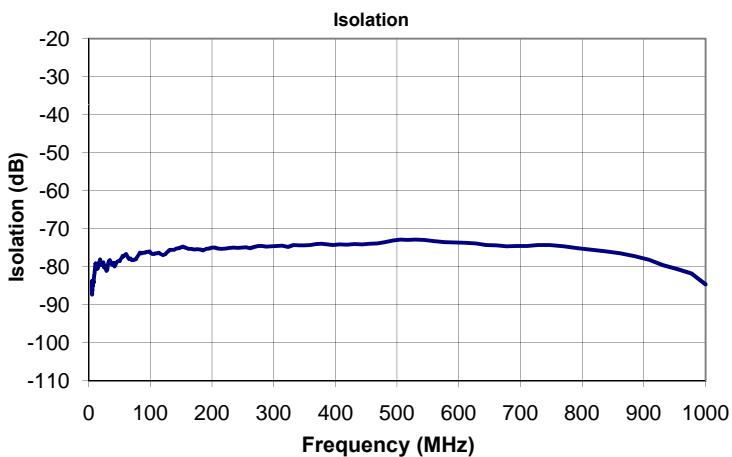
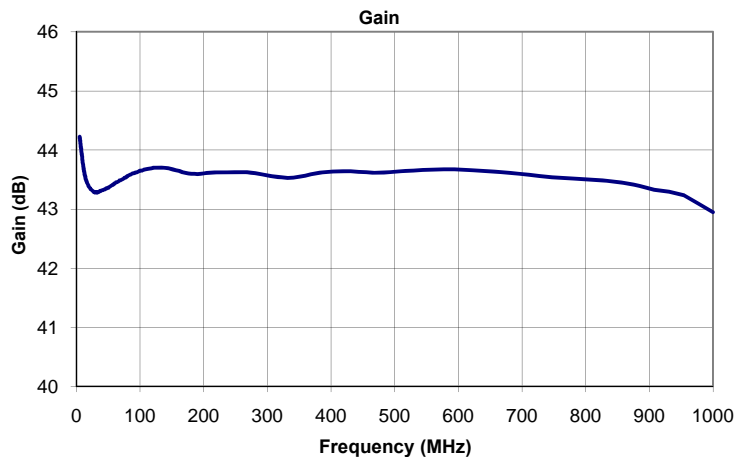
# AM-1571

## Features

- 3-Year Warranty
- Low Noise Figure
- Internally regulated to +8V
- Reverse voltage protected
- Input Limiter Protected

Parameter	Specification
Frequency Range	10-1000 MHz
Gain	40 dB Min, 43 dB Typ.
Gain Flatness	± 1.0 dB Max, ± 0.5 dB Typ.
Input VSWR	2.0:1 Max.
Output VSWR	2.0:1 Max.
*Noise Figure	1.4, 1.6, 1.8 dB Max.
Output P1dB	+18 dBm Min.
DC Voltage	+11 to +30 (Marked for +15V)
DC Current	150 mA Max.

\*Noise Figure at 10 MHz, 500 MHz & 1000 MHz



# AM-1571

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
5.0	44.2	-83.8	-13.0	-9.3	37.9
5.2	44.2	-85.7	-13.2	-9.3	36.1
5.3	44.2	-87.3	-13.3	-9.3	32.7
5.5	44.2	-86.2	-13.5	-9.2	30.7
5.6	44.2	-86.0	-13.7	-9.2	29.4
5.8	44.2	-86.4	-13.8	-9.2	27.5
5.9	44.1	-86.1	-13.9	-9.2	25.8
6.1	44.1	-85.1	-14.0	-9.2	24.6
6.2	44.1	-84.3	-14.1	-9.3	22.9
6.4	44.1	-84.0	-14.2	-9.3	21.9
6.5	44.1	-84.4	-14.4	-9.3	21.2
6.7	44.1	-85.0	-14.5	-9.3	19.6
6.9	44.0	-84.2	-14.6	-9.4	19.1
7.1	44.0	-84.5	-14.7	-9.4	17.8
7.3	44.0	-83.8	-14.8	-9.4	17.0
7.5	44.0	-83.9	-14.9	-9.5	15.7
7.7	44.0	-84.3	-15.1	-9.6	15.1
7.9	44.0	-83.8	-15.2	-9.6	14.5
8.1	43.9	-83.5	-15.3	-9.7	13.9
8.4	43.9	-83.6	-15.4	-9.7	13.0
8.6	43.9	-82.5	-15.5	-9.8	12.8
8.8	43.9	-82.4	-15.6	-9.9	11.3
9.0	43.9	-82.0	-15.6	-10.0	11.2
9.2	43.8	-81.9	-15.7	-10.1	10.6
9.4	43.8	-81.3	-15.8	-10.2	10.1
9.7	43.8	-80.8	-16.0	-10.3	9.4
10.0	43.8	-80.8	-16.0	-10.4	8.7
10.3	43.8	-80.2	-16.2	-10.5	8.6
10.6	43.7	-79.4	-16.2	-10.6	7.9
10.9	43.7	-79.3	-16.3	-10.7	7.8
11.2	43.7	-79.3	-16.3	-10.8	7.8
11.4	43.7	-79.1	-16.4	-10.9	7.0
11.7	43.7	-79.4	-16.5	-11.0	6.6
12.0	43.6	-80.1	-16.5	-11.2	6.4
12.3	43.6	-80.0	-16.6	-11.3	5.8
12.6	43.6	-80.3	-16.6	-11.4	5.8
13.0	43.6	-80.5	-16.8	-11.6	5.3
13.4	43.6	-80.2	-16.8	-11.7	5.1
13.8	43.5	-80.3	-16.9	-11.9	4.7
14.2	43.5	-80.3	-16.9	-12.0	4.5
14.6	43.5	-80.5	-17.0	-12.2	4.1
15.0	43.5	-79.8	-17.1	-12.3	4.1
15.4	43.5	-79.3	-17.0	-12.5	3.8
15.7	43.5	-79.2	-17.2	-12.6	3.7
16.1	43.5	-78.9	-17.2	-12.8	3.6
16.5	43.4	-78.9	-17.3	-12.9	3.4
16.9	43.4	-79.4	-17.3	-13.1	3.4
17.4	43.4	-79.2	-17.3	-13.3	3.3
17.9	43.4	-78.8	-17.2	-13.4	3.0
18.4	43.4	-78.1	-17.3	-13.6	3.1
19.0	43.4	-79.1	-17.3	-13.8	2.8
19.5	43.4	-79.1	-17.4	-14.0	2.8
20.0	43.4	-79.6	-17.4	-14.1	2.5

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
20.6	43.4	-79.5	-17.4	-14.3	2.7
21.1	43.4	-79.4	-17.5	-14.5	2.4
21.6	43.4	-79.1	-17.4	-14.7	2.3
22.2	43.3	-79.3	-17.4	-14.8	2.2
22.7	43.3	-79.2	-17.4	-15.0	2.3
23.2	43.3	-79.3	-17.5	-15.2	2.1
23.9	43.3	-78.8	-17.5	-15.4	2.1
24.6	43.3	-80.1	-17.6	-15.6	2.0
25.3	43.3	-79.7	-17.6	-15.8	2.2
26.1	43.3	-80.1	-17.4	-16.0	1.8
26.8	43.3	-80.4	-17.5	-16.2	2.0
27.5	43.3	-80.5	-17.6	-16.4	1.8
28.3	43.3	-80.6	-17.5	-16.6	1.9
29.0	43.3	-81.1	-17.4	-16.8	1.7
29.7	43.3	-80.8	-17.4	-16.9	1.8
30.5	43.3	-80.4	-17.5	-17.1	1.7
31.2	43.3	-79.2	-17.4	-17.3	1.7
31.9	43.3	-79.0	-17.5	-17.5	1.7
32.8	43.3	-78.4	-17.4	-17.7	1.5
33.8	43.3	-78.3	-17.4	-17.9	1.6
34.8	43.3	-78.8	-17.4	-18.1	1.6
35.8	43.3	-78.7	-17.2	-18.3	1.5
36.8	43.3	-78.9	-17.2	-18.5	1.6
37.8	43.3	-79.5	-17.3	-18.7	1.5
38.8	43.3	-79.5	-17.3	-18.9	1.5
39.9	43.3	-79.0	-17.0	-19.1	1.4
40.9	43.3	-79.7	-17.1	-19.3	1.3
41.9	43.3	-79.9	-17.1	-19.5	1.5
42.9	43.3	-79.8	-17.1	-19.7	1.5
43.9	43.3	-79.0	-17.0	-19.9	1.5
45.1	43.3	-78.9	-16.9	-20.1	1.5
46.5	43.3	-78.7	-16.9	-20.3	1.5
47.8	43.4	-78.5	-16.8	-20.5	1.4
49.2	43.4	-78.5	-16.7	-20.7	1.4
50.6	43.4	-78.5	-16.7	-20.9	1.4
52.0	43.4	-77.9	-16.6	-21.1	1.5
53.4	43.4	-77.6	-16.6	-21.3	1.4
54.8	43.4	-77.2	-16.5	-21.5	1.4
56.2	43.4	-77.3	-16.4	-21.6	1.4
57.5	43.4	-77.1	-16.4	-21.8	1.4
58.9	43.4	-76.8	-16.4	-22.0	1.4
60.3	43.4	-76.7	-16.3	-22.2	1.3
61.9	43.5	-77.1	-16.3	-22.4	1.4
63.8	43.5	-77.6	-16.2	-22.6	1.4
65.7	43.5	-78.0	-16.1	-22.7	1.3
67.6	43.5	-77.8	-16.1	-22.9	1.4
69.5	43.5	-78.3	-16.0	-23.1	1.4
71.3	43.5	-78.2	-15.9	-23.3	1.3
73.2	43.5	-78.3	-15.9	-23.5	1.4
75.1	43.5	-78.1	-15.8	-23.6	1.3
77.0	43.5	-78.0	-15.7	-23.8	1.4
78.8	43.5	-77.4	-15.7	-24.0	1.4
80.7	43.6	-76.9	-15.5	-24.2	1.4

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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
82.9	43.6	-76.3	-15.6	-24.4	1.3
85.4	43.6	-76.4	-15.4	-24.6	1.4
88.0	43.6	-76.4	-15.3	-24.8	1.3
90.5	43.6	-76.3	-15.3	-24.9	1.4
93.1	43.6	-76.1	-15.2	-25.1	1.4
95.6	43.6	-76.1	-15.1	-25.3	1.4
98.2	43.6	-76.0	-15.0	-25.5	1.3
100.7	43.7	-76.5	-15.0	-25.7	1.3
103.3	43.7	-76.7	-15.0	-25.9	1.4
105.8	43.7	-76.6	-15.0	-26.1	1.4
108.4	43.7	-76.5	-14.9	-26.3	1.3
110.9	43.7	-76.5	-14.8	-26.5	1.3
113.9	43.7	-76.3	-14.8	-26.7	1.3
117.4	43.7	-76.7	-14.8	-26.9	1.3
120.9	43.7	-77.0	-14.8	-27.1	1.4
124.4	43.7	-76.7	-14.7	-27.3	1.4
127.9	43.7	-76.0	-14.7	-27.6	1.3
131.4	43.7	-75.6	-14.6	-27.8	1.3
134.9	43.7	-75.5	-14.5	-28.0	1.3
138.4	43.7	-75.6	-14.6	-28.2	1.3
141.9	43.7	-75.2	-14.6	-28.5	1.3
145.4	43.7	-75.1	-14.6	-28.7	1.3
148.9	43.7	-74.9	-14.6	-29.0	1.3
152.5	43.7	-74.7	-14.6	-29.3	1.3
156.5	43.7	-75.0	-14.5	-29.5	1.3
161.4	43.6	-75.3	-14.5	-29.8	1.3
166.2	43.6	-75.3	-14.7	-30.0	1.3
171.0	43.6	-75.5	-14.6	-30.2	1.2
175.8	43.6	-75.4	-14.6	-30.4	1.3
180.6	43.6	-75.5	-14.6	-30.6	1.2
185.4	43.6	-75.7	-14.7	-30.7	1.2
190.2	43.6	-75.3	-14.7	-30.8	1.2
195.1	43.6	-75.2	-14.8	-30.9	1.3
199.9	43.6	-75.0	-15.1	-30.9	1.2
204.7	43.6	-75.0	-15.1	-30.9	1.3
209.5	43.6	-75.2	-15.1	-30.9	1.2
215.1	43.6	-75.3	-15.2	-31.0	1.3
221.7	43.6	-75.2	-15.3	-31.1	1.3
228.4	43.6	-75.0	-15.5	-31.3	1.3
235.0	43.6	-74.9	-15.6	-31.4	1.3
241.6	43.6	-75.1	-15.8	-31.5	1.3
248.2	43.6	-75.0	-16.0	-31.6	1.3
254.8	43.6	-74.9	-16.2	-31.6	1.3
261.4	43.6	-75.1	-16.5	-31.6	1.3
268.1	43.6	-74.8	-16.5	-31.5	1.3
274.7	43.6	-74.5	-16.9	-31.3	1.3
281.3	43.6	-74.6	-17.2	-30.8	1.3
287.9	43.6	-74.7	-17.5	-30.3	1.3
295.6	43.6	-74.6	-17.7	-29.8	1.3
304.7	43.6	-74.6	-18.2	-29.2	1.2
313.8	43.5	-74.5	-18.7	-28.6	1.2
322.9	43.5	-74.8	-19.3	-28.0	1.2
332.0	43.5	-74.3	-19.9	-27.5	1.2

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
341.1	43.5	-74.4	-20.7	-26.9	1.2
350.2	43.6	-74.4	-21.6	-26.4	1.2
359.3	43.6	-74.3	-22.5	-26.0	1.2
368.4	43.6	-74.0	-23.6	-25.5	1.2
377.5	43.6	-74.0	-24.8	-25.1	1.3
386.6	43.6	-74.1	-26.1	-24.7	1.3
395.7	43.6	-74.3	-27.3	-24.3	1.3
406.3	43.6	-74.1	-28.5	-23.9	1.3
418.6	43.6	-74.2	-29.3	-23.5	1.3
430.9	43.6	-74.0	-29.2	-23.1	1.3
443.2	43.6	-74.1	-27.9	-22.7	1.3
455.6	43.6	-74.0	-25.9	-22.4	1.3
467.9	43.6	-73.9	-24.1	-22.0	1.3
480.2	43.6	-73.5	-22.7	-21.6	1.3
492.5	43.6	-73.1	-21.1	-21.3	1.3
504.9	43.6	-72.9	-19.8	-20.9	1.3
517.2	43.6	-73.0	-18.7	-20.6	1.3
529.5	43.7	-72.9	-17.5	-20.2	1.3
543.7	43.7	-73.0	-16.6	-19.9	1.3
560.5	43.7	-73.2	-15.4	-19.6	1.3
577.2	43.7	-73.5	-14.5	-19.2	1.3
593.9	43.7	-73.6	-13.6	-18.9	1.3
610.6	43.7	-73.7	-13.0	-18.6	1.3
627.3	43.7	-73.8	-12.4	-18.3	1.3
644.1	43.6	-74.3	-11.8	-18.0	1.3
660.8	43.6	-74.4	-11.4	-17.8	1.3
677.5	43.6	-74.6	-10.9	-17.6	1.3
694.2	43.6	-74.6	-10.6	-17.4	1.3
711.0	43.6	-74.6	-10.3	-17.2	1.3
727.7	43.6	-74.3	-10.1	-17.0	1.3
747.2	43.5	-74.3	-9.9	-16.8	1.3
770.2	43.5	-74.6	-9.7	-16.6	1.4
793.2	43.5	-75.1	-9.6	-16.5	1.4
816.2	43.5	-75.6	-9.5	-16.3	1.4
839.1	43.5	-76.0	-9.5	-16.1	1.4
862.1	43.4	-76.5	-9.6	-16.0	1.4
885.1	43.4	-77.2	-9.7	-15.9	1.5
908.1	43.3	-78.1	-9.9	-15.8	1.5
931.1	43.3	-79.6	-10.2	-15.7	1.5
954.0	43.2	-80.6	-10.6	-15.6	1.5
977.0	43.1	-81.8	-10.8	-15.6	1.6
1000.0	42.9	-84.6	-10.5	-15.6	1.6