

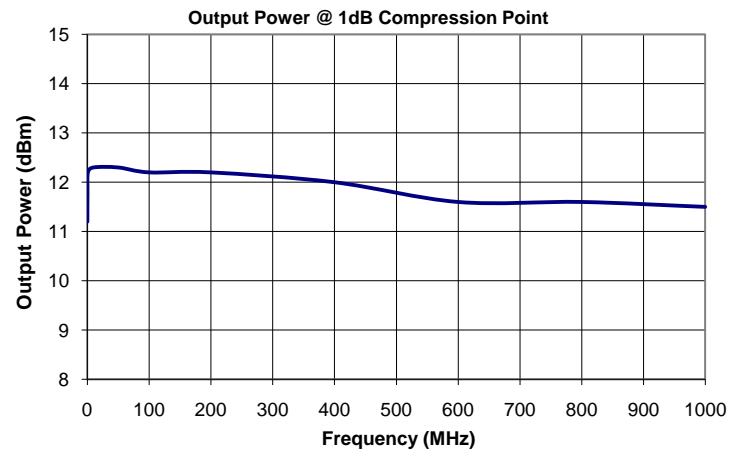
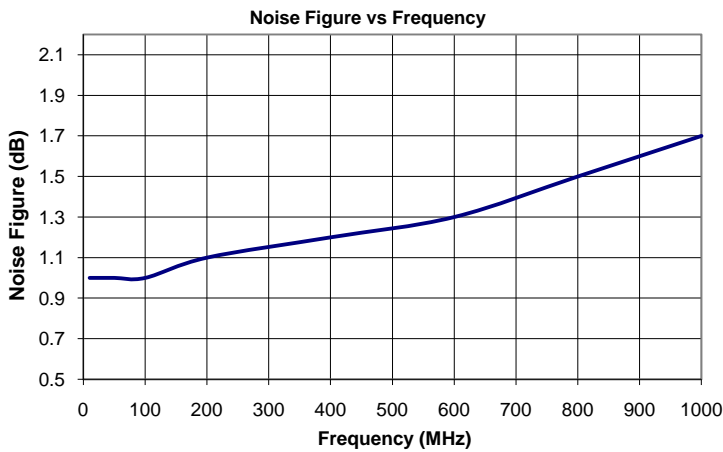
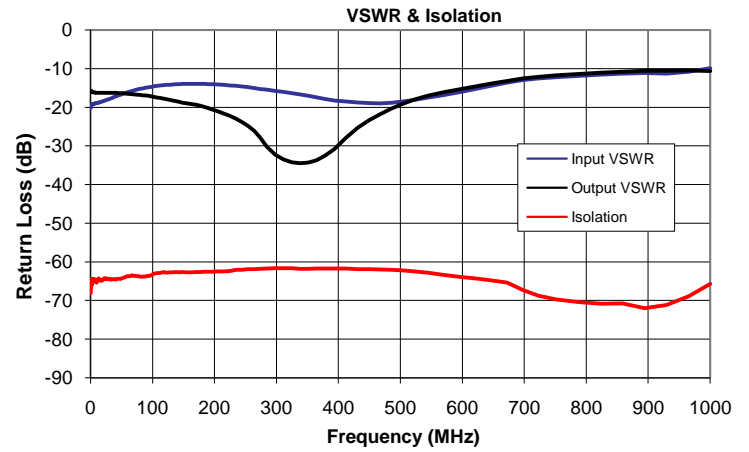
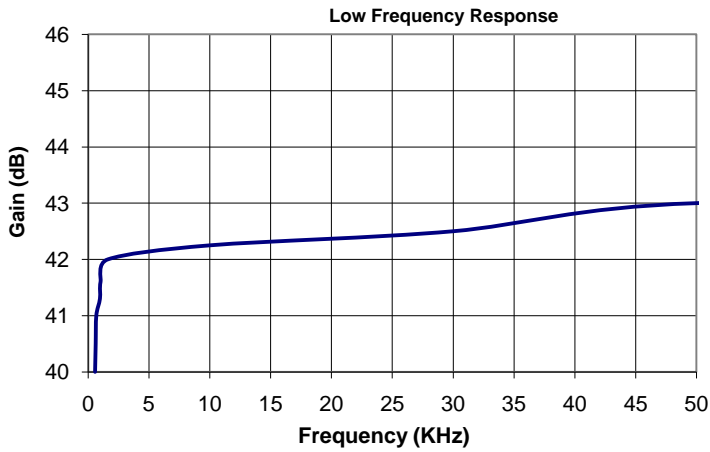
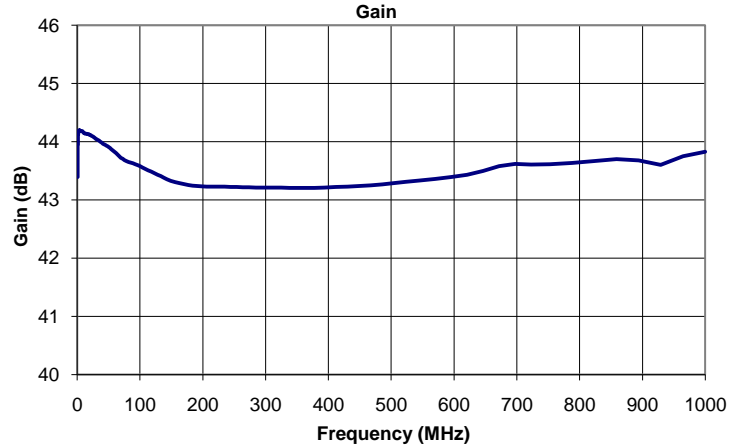
AM-1431

Features

- 3-Year Warranty
- Low Noise Figure
- Very Broadband
- Internally regulated to +12V
- Reverse voltage protected
- Input Limiter Protected

Parameter	Specification
Frequency Range	0.001 - 1000 MHz Min.
Gain	41 dB Min.
Gain Flatness	± 1.0 dB Max.
Input VSWR	2.0:1 Max.
Output VSWR	2.0:1 Max.
*Noise Figure (dB)	1.3, 1.5, 1.8
Output P1dB	+10
DC Voltage	+15 to +30
DC Current	100 mA

*Noise Figure at 10 MHz, 1500 MHz & 3000 MHz



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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
0.30	43.4	-68.0	-20.0	-16.0	34.4
0.31	43.5	-66.5	-20.0	-16.0	26.3
0.33	43.5	-66.8	-20.0	-16.0	23.0
0.34	43.6	-66.4	-20.0	-16.0	16.4
0.36	43.6	-66.4	-20.0	-16.0	23.4
0.37	43.6	-66.2	-20.0	-16.0	20.1
0.38	43.7	-66.2	-20.0	-16.0	15.4
0.40	43.7	-66.2	-20.0	-15.9	15.7
0.41	43.7	-66.0	-20.0	-15.9	19.1
0.43	43.8	-65.7	-20.0	-15.9	18.6
0.45	43.8	-65.7	-20.0	-15.9	15.1
0.47	43.8	-65.8	-20.0	-15.9	23.2
0.49	43.9	-65.5	-19.9	-15.9	22.3
0.51	43.9	-65.6	-19.9	-15.9	19.5
0.53	43.9	-65.5	-19.9	-15.9	18.1
0.55	43.9	-65.1	-19.9	-15.9	20.9
0.57	43.9	-65.0	-19.9	-15.8	21.5
0.60	44.0	-65.0	-19.9	-15.8	17.0
0.63	44.0	-65.0	-19.8	-15.8	18.0
0.65	44.0	-64.9	-19.8	-15.8	14.9
0.68	44.0	-64.8	-19.8	-15.8	16.2
0.71	44.0	-64.8	-19.8	-15.8	14.6
0.74	44.0	-64.5	-19.8	-15.8	12.5
0.76	44.1	-64.5	-19.7	-15.8	12.6
0.79	44.1	-64.5	-19.7	-15.8	12.9
0.83	44.1	-64.6	-19.7	-15.8	10.2
0.87	44.1	-64.6	-19.7	-15.9	8.8
0.91	44.1	-64.5	-19.6	-15.9	9.0
0.94	44.1	-64.4	-19.6	-15.9	8.1
0.98	44.1	-64.7	-19.6	-15.9	7.9
1.02	44.1	-64.6	-19.6	-15.9	8.4
1.05	44.1	-64.9	-19.6	-15.9	6.3
1.10	44.1	-64.9	-19.6	-15.9	7.0
1.15	44.1	-64.9	-19.5	-15.9	6.2
1.20	44.1	-64.9	-19.5	-15.9	7.1
1.25	44.1	-64.9	-19.5	-15.9	6.6
1.30	44.2	-65.2	-19.5	-15.9	5.5
1.36	44.2	-65.6	-19.5	-15.9	6.1
1.41	44.2	-65.7	-19.5	-15.9	5.4
1.46	44.2	-65.8	-19.5	-15.9	4.8
1.52	44.2	-66.0	-19.5	-15.9	4.4
1.59	44.2	-65.8	-19.4	-15.9	4.8
1.66	44.2	-65.9	-19.4	-16.0	3.1
1.73	44.2	-65.8	-19.4	-16.0	3.8
1.80	44.2	-65.9	-19.4	-16.0	3.7
1.88	44.2	-65.7	-19.4	-16.0	3.7
1.95	44.2	-65.5	-19.4	-16.0	3.4
2.02	44.2	-65.3	-19.3	-16.0	3.1
2.10	44.2	-65.1	-19.3	-16.0	2.9
2.20	44.2	-65.0	-19.3	-16.0	3.2
2.30	44.2	-65.2	-19.3	-16.0	3.2
2.40	44.2	-65.1	-19.3	-16.0	3.6
2.50	44.2	-65.2	-19.3	-16.0	3.0

2.59	44.2	-65.2	-19.2	-16.0	3.1
2.69	44.2	-65.3	-19.2	-16.0	2.8
2.79	44.2	-65.2	-19.2	-16.1	2.8
2.91	44.2	-65.2	-19.2	-16.1	2.6
3.04	44.2	-65.1	-19.2	-16.1	2.8
3.18	44.2	-65.1	-19.2	-16.1	2.3
3.32	44.2	-65.0	-19.2	-16.1	2.4
3.45	44.2	-64.9	-19.2	-16.1	2.5
3.59	44.2	-64.9	-19.2	-16.1	2.4
3.73	44.2	-64.8	-19.2	-16.1	2.0
3.86	44.2	-64.7	-19.2	-16.1	2.1
4.02	44.2	-64.6	-19.1	-16.1	1.9
4.21	44.2	-64.5	-19.1	-16.1	2.0
4.40	44.2	-64.6	-19.1	-16.1	2.1
4.59	44.2	-64.5	-19.1	-16.1	2.0
4.78	44.2	-64.4	-19.1	-16.2	1.8
4.97	44.2	-64.5	-19.1	-16.2	1.6
5.15	44.2	-64.5	-19.1	-16.2	1.5
5.34	44.2	-64.6	-19.1	-16.2	1.7
5.56	44.2	-64.5	-19.1	-16.2	2.0
5.82	44.2	-64.6	-19.0	-16.2	1.9
6.09	44.2	-64.6	-19.0	-16.2	1.7
6.35	44.2	-64.6	-19.0	-16.2	1.6
6.61	44.2	-64.7	-19.0	-16.2	1.6
6.87	44.2	-64.7	-19.0	-16.2	1.5
7.13	44.2	-64.7	-19.0	-16.2	1.8
7.39	44.2	-64.8	-19.0	-16.2	1.8
7.70	44.2	-64.8	-19.0	-16.2	1.6
8.06	44.2	-65.1	-18.9	-16.2	1.5
8.42	44.2	-65.3	-18.9	-16.2	1.7
8.78	44.2	-65.3	-18.9	-16.2	1.6
9.14	44.2	-65.4	-18.9	-16.2	1.6
9.50	44.2	-65.3	-18.9	-16.3	1.7
9.86	44.2	-65.3	-18.9	-16.3	1.7
10.2	44.2	-65.3	-18.9	-16.3	1.6
10.6	44.1	-65.1	-18.9	-16.3	1.6
11.1	44.1	-64.8	-18.9	-16.3	1.7
11.6	44.1	-64.7	-18.8	-16.3	1.6
12.1	44.1	-64.4	-18.8	-16.3	1.5
12.6	44.1	-64.4	-18.8	-16.3	1.4
13.1	44.1	-64.3	-18.8	-16.3	1.5
13.6	44.1	-64.4	-18.7	-16.3	1.4
14.1	44.1	-64.4	-18.7	-16.3	1.3
14.7	44.1	-64.5	-18.7	-16.3	1.4
15.4	44.1	-64.7	-18.6	-16.3	1.4
16.1	44.1	-64.9	-18.6	-16.3	1.3
16.8	44.1	-64.9	-18.6	-16.3	1.4
17.5	44.1	-65.0	-18.5	-16.3	1.4
18.3	44.1	-64.6	-18.5	-16.3	1.4
19.0	44.1	-64.7	-18.5	-16.3	1.4
19.7	44.1	-64.7	-18.4	-16.3	1.4
20.4	44.1	-64.6	-18.4	-16.3	1.5
21.2	44.1	-64.5	-18.3	-16.3	1.4
22.2	44.1	-64.2	-18.3	-16.3	1.4
23.2	44.1	-64.3	-18.2	-16.3	1.4
24.2	44.1	-64.3	-18.2	-16.3	1.4

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25.2	44.1	-64.2	-18.1	-16.3	1.3
26.2	44.1	-64.5	-18.1	-16.3	1.4
27.2	44.1	-64.5	-18.0	-16.3	1.4
28.2	44.1	-64.4	-17.9	-16.3	1.4
29.3	44.1	-64.4	-17.9	-16.3	1.3
30.7	44.0	-64.6	-17.8	-16.3	1.3
32.1	44.0	-64.6	-17.7	-16.3	1.4
33.5	44.0	-64.4	-17.6	-16.3	1.3
34.9	44.0	-64.5	-17.5	-16.3	1.4
36.2	44.0	-64.5	-17.4	-16.3	1.4
37.6	44.0	-64.5	-17.3	-16.3	1.3
39.0	44.0	-64.5	-17.2	-16.3	1.4
40.6	44.0	-64.6	-17.1	-16.3	1.3
42.5	44.0	-64.5	-17.0	-16.3	1.4
44.4	43.9	-64.3	-16.9	-16.3	1.3
46.3	43.9	-64.4	-16.8	-16.3	1.3
48.2	43.9	-64.5	-16.7	-16.4	1.3
50.1	43.9	-64.3	-16.6	-16.4	1.3
52.0	43.9	-64.2	-16.5	-16.4	1.3
53.9	43.9	-64.1	-16.4	-16.4	1.3
56.2	43.9	-63.9	-16.2	-16.5	1.3
58.8	43.8	-63.7	-16.1	-16.5	1.3
61.4	43.8	-63.7	-16.0	-16.6	1.3
64.1	43.8	-63.7	-15.9	-16.6	1.3
66.7	43.8	-63.5	-15.7	-16.6	1.2
69.3	43.7	-63.6	-15.6	-16.7	1.2
72.0	43.7	-63.6	-15.5	-16.7	1.2
74.6	43.7	-63.7	-15.4	-16.8	1.2
77.7	43.7	-63.7	-15.3	-16.8	1.2
81.3	43.7	-63.9	-15.2	-16.9	1.2
85.0	43.6	-63.8	-15.0	-16.9	1.2
88.6	43.6	-63.8	-14.9	-17.0	1.2
92.2	43.6	-63.6	-14.8	-17.1	1.2
95.9	43.6	-63.6	-14.7	-17.1	1.2
99.5	43.6	-63.3	-14.6	-17.3	1.2
103	43.6	-63.1	-14.5	-17.4	1.2
107	43.5	-62.9	-14.4	-17.5	1.2
112	43.5	-62.9	-14.3	-17.6	1.2
118	43.5	-62.7	-14.3	-17.8	1.2
123	43.5	-62.8	-14.2	-17.9	1.2
128	43.4	-62.7	-14.1	-18.1	1.2
133	43.4	-62.7	-14.1	-18.3	1.2
138	43.4	-62.7	-14.0	-18.4	1.2
143	43.4	-62.7	-14.0	-18.6	1.2
149	43.3	-62.7	-13.9	-18.8	1.2
156	43.3	-62.7	-13.9	-19.0	1.2
163	43.3	-62.8	-13.9	-19.2	1.2
170	43.3	-62.7	-13.9	-19.4	1.2
177	43.3	-62.6	-13.9	-19.6	1.2
183	43.2	-62.5	-13.9	-19.9	1.2
190	43.2	-62.6	-14.0	-20.2	1.2
197	43.2	-62.5	-14.0	-20.6	1.2
206	43.2	-62.5	-14.1	-21.1	1.2
215	43.2	-62.5	-14.2	-21.6	1.2
225	43.2	-62.4	-14.3	-22.2	1.2
235	43.2	-62.1	-14.4	-23.0	1.2

244	43.2	-62.1	-14.6	-23.8	1.2
254	43.2	-61.9	-14.8	-24.8	1.2
263	43.2	-61.9	-15.0	-26.0	1.2
273	43.2	-61.8	-15.2	-27.6	1.2
284	43.2	-61.8	-15.4	-30.2	1.2
298	43.2	-61.7	-15.7	-32.2	1.2
311	43.2	-61.7	-16.0	-33.5	1.2
324	43.2	-61.7	-16.3	-34.2	1.2
338	43.2	-61.8	-16.6	-34.4	1.2
351	43.2	-61.8	-17.0	-34.3	1.2
364	43.2	-61.8	-17.4	-33.7	1.2
378	43.2	-61.8	-17.8	-32.6	1.2
393	43.2	-61.8	-18.2	-30.8	1.2
412	43.2	-61.7	-18.5	-27.9	1.2
430	43.2	-61.9	-18.7	-25.3	1.2
449	43.2	-61.9	-18.9	-23.4	1.2
467	43.3	-62.0	-18.9	-21.8	1.2
486	43.3	-62.1	-18.8	-20.3	1.2
504	43.3	-62.3	-18.5	-19.1	1.2
523	43.3	-62.5	-18.1	-18.0	1.2
544	43.3	-62.8	-17.5	-17.0	1.2
570	43.4	-63.4	-16.8	-16.1	1.2
595	43.4	-63.9	-16.0	-15.4	1.3
621	43.4	-64.3	-15.2	-14.6	1.3
646	43.5	-64.8	-14.4	-13.9	1.3
672	43.6	-65.4	-13.6	-13.2	1.3
697	43.6	-67.3	-12.9	-12.6	1.3
723	43.6	-68.7	-12.5	-12.1	1.3
753	43.6	-69.7	-12.1	-11.7	1.3
788	43.6	-70.4	-11.8	-11.4	1.3
823	43.7	-70.8	-11.5	-11.1	1.4
859	43.7	-70.7	-11.2	-10.8	1.4
894	43.7	-72.0	-11.1	-10.6	1.4
929	43.6	-71.2	-11.3	-10.6	1.4
965	43.8	-68.9	-10.7	-10.5	1.5
1000	43.8	-65.7	-9.9	-10.6	1.6