

AM-1469 Series

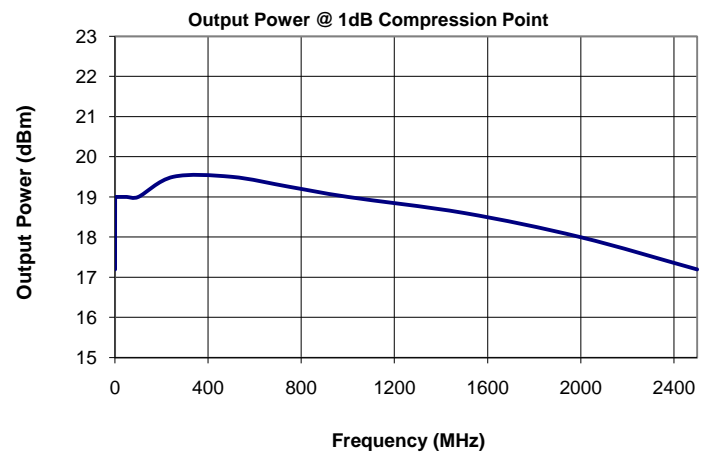
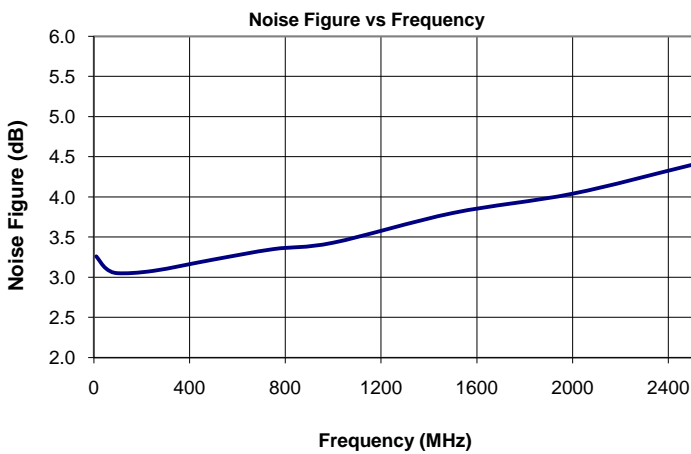
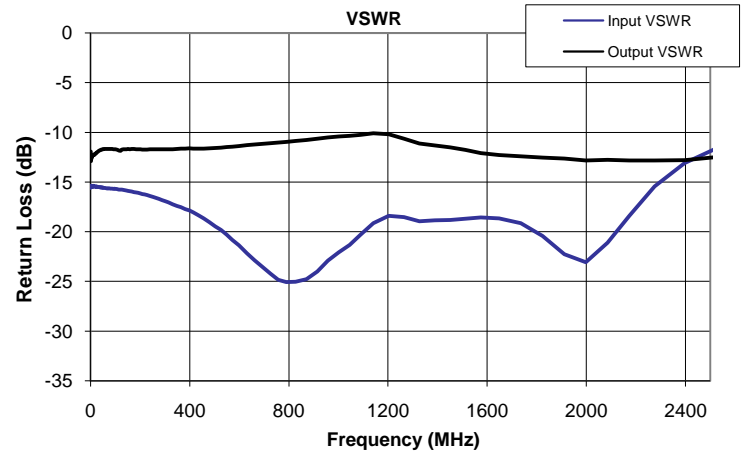
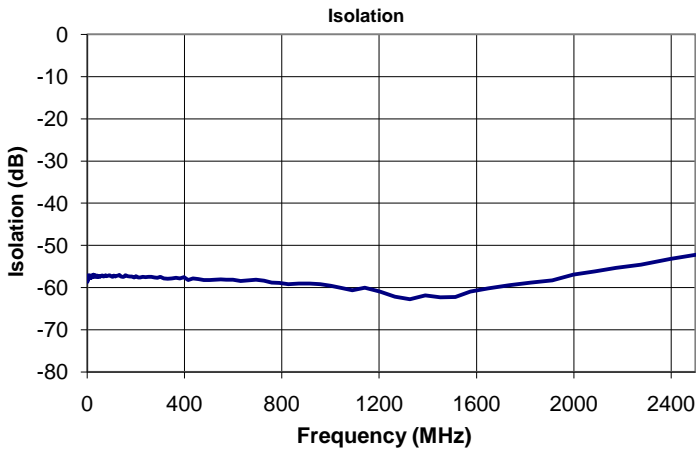
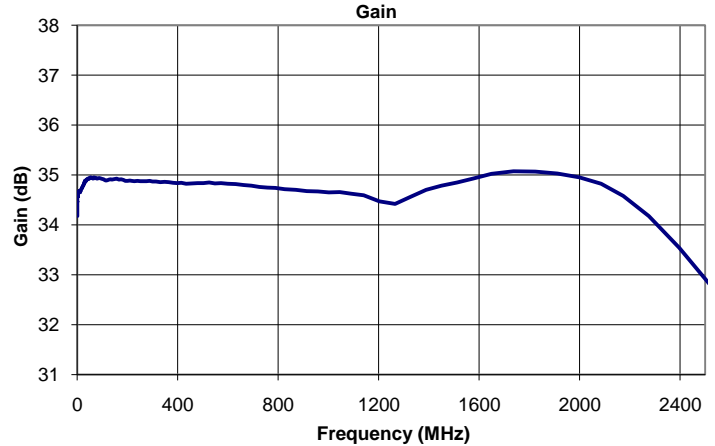
Features

- 3-Year Warranty
- Very Broadband
- Medium Power
- Internally regulated to +8V
- Reverse voltage protected
- Input Limiter Protected

Parameter	Specification
Frequency Range (MHz)	0.3 - 2500 MHz
Gain	30 dB Min, 34 dB Typ.
Gain Flatness	± 1.25 dB Max, ± 1.0 dB Typ.
Input VSWR	2.0:1 Max.
Output VSWR	2.0:1 Max.
*Noise Figure	3.3, 3.8, 4.6
*Output P1dB (dBm)	+19, +18, +17
DC Voltage	+11 to +18V (Marked for +15V)
DC Current (mA)	150 mA

*Noise Figure at 10 MHz, 1250 MHz & 2500 MHz

*P1dB at 0.3 MHz, 1250 MHz & 2500 MHz



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AM-1469 Series

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
0.30	34.2	-58.6	-15.5	-11.9	285.7
0.32	34.2	-57.8	-15.5	-12.1	285.7
0.33	34.2	-58.3	-15.5	-12.2	260.8
0.35	34.3	-58.4	-15.5	-12.2	195.6
0.36	34.3	-57.9	-15.5	-12.3	226.5
0.38	34.3	-57.7	-15.5	-12.4	219.0
0.40	34.4	-57.7	-15.5	-12.4	164.7
0.41	34.4	-57.7	-15.5	-12.5	160.5
0.44	34.4	-57.9	-15.5	-12.6	142.5
0.46	34.4	-58.2	-15.5	-12.6	134.5
0.48	34.4	-58.0	-15.4	-12.7	111.2
0.50	34.5	-57.7	-15.5	-12.7	118.6
0.52	34.5	-57.7	-15.5	-12.7	109.2
0.55	34.5	-57.6	-15.5	-12.7	94.8
0.57	34.5	-57.6	-15.5	-12.8	82.2
0.60	34.5	-57.7	-15.4	-12.8	73.2
0.63	34.5	-57.8	-15.5	-12.8	71.6
0.66	34.5	-57.7	-15.4	-12.9	71.9
0.70	34.5	-57.7	-15.5	-12.9	56.1
0.73	34.5	-57.6	-15.5	-12.9	47.7
0.76	34.5	-57.6	-15.4	-12.9	52.2
0.79	34.5	-57.5	-15.4	-12.9	43.0
0.83	34.5	-57.6	-15.5	-12.9	37.4
0.87	34.6	-57.7	-15.4	-12.9	40.4
0.91	34.6	-57.7	-15.4	-12.9	30.6
0.96	34.6	-57.9	-15.4	-12.9	32.7
1.00	34.6	-57.6	-15.4	-12.9	29.7
1.05	34.6	-58.1	-15.4	-12.9	19.2
1.09	34.6	-57.7	-15.4	-12.9	28.4
1.14	34.6	-57.8	-15.4	-12.9	25.9
1.20	34.6	-57.5	-15.4	-12.9	14.2
1.26	34.6	-57.9	-15.4	-12.9	21.3
1.32	34.6	-57.3	-15.4	-12.9	15.5
1.38	34.6	-57.7	-15.4	-12.8	17.0
1.44	34.6	-57.3	-15.4	-12.8	12.2
1.50	34.6	-57.4	-15.4	-12.8	9.6
1.57	34.6	-57.5	-15.4	-12.9	14.4
1.66	34.6	-57.5	-15.4	-12.8	9.3
1.74	34.6	-57.8	-15.4	-12.8	11.2
1.82	34.6	-57.7	-15.4	-12.8	12.6
1.91	34.6	-57.7	-15.4	-12.8	5.1
1.99	34.6	-57.3	-15.4	-12.7	6.6
2.08	34.6	-57.2	-15.4	-12.7	6.4
2.17	34.6	-57.7	-15.4	-12.7	6.6
2.29	34.6	-57.5	-15.4	-12.7	7.4
2.40	34.6	-57.4	-15.4	-12.7	4.6
2.52	34.6	-57.4	-15.4	-12.7	5.6
2.63	34.6	-57.4	-15.4	-12.6	5.5
2.75	34.6	-57.6	-15.4	-12.6	6.2
2.86	34.6	-57.2	-15.4	-12.6	0.9
3.00	34.6	-57.5	-15.4	-12.6	5.3
3.16	34.6	-57.8	-15.4	-12.6	3.3
3.32	34.6	-57.7	-15.4	-12.6	2.3

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
3.48	34.6	-57.3	-15.4	-12.6	3.4
3.64	34.6	-57.4	-15.4	-12.5	3.4
3.80	34.6	-57.6	-15.4	-12.5	2.8
3.95	34.6	-57.7	-15.4	-12.5	2.1
4.14	34.6	-57.2	-15.4	-12.5	2.0
4.37	34.7	-57.4	-15.4	-12.5	2.4
4.59	34.6	-57.3	-15.4	-12.5	2.2
4.82	34.6	-57.5	-15.4	-12.5	1.8
5.04	34.6	-57.3	-15.4	-12.4	1.5
5.27	34.7	-57.3	-15.4	-12.4	1.7
5.49	34.6	-57.3	-15.4	-12.4	0.9
5.72	34.7	-57.6	-15.4	-12.4	2.4
5.99	34.7	-57.4	-15.4	-12.4	1.4
6.30	34.6	-57.2	-15.4	-12.4	1.6
6.62	34.7	-57.7	-15.4	-12.4	1.3
6.94	34.7	-57.3	-15.4	-12.4	1.0
7.26	34.7	-57.4	-15.4	-12.4	0.9
7.57	34.7	-57.3	-15.4	-12.3	1.6
7.89	34.7	-57.4	-15.4	-12.3	1.9
8.26	34.7	-57.4	-15.4	-12.3	0.1
8.70	34.7	-57.2	-15.4	-12.3	1.6
9.14	34.7	-57.8	-15.4	-12.3	1.5
9.58	34.7	-57.4	-15.4	-12.3	0.9
10.0	34.7	-57.5	-15.4	-12.3	1.8
10.5	34.7	-57.4	-15.4	-12.3	1.1
10.9	34.7	-57.1	-15.4	-12.3	1.1
11.4	34.7	-57.5	-15.4	-12.3	1.2
12.0	34.7	-57.6	-15.4	-12.3	0.7
12.6	34.7	-57.3	-15.4	-12.3	0.6
13.2	34.7	-57.3	-15.5	-12.3	0.8
13.8	34.7	-57.6	-15.5	-12.3	0.6
14.4	34.7	-57.2	-15.4	-12.2	1.2
15.0	34.7	-57.8	-15.4	-12.2	0.7
15.7	34.7	-57.2	-15.4	-12.2	0.7
16.6	34.7	-57.3	-15.4	-12.2	1.0
17.4	34.7	-57.6	-15.4	-12.2	0.8
18.2	34.7	-57.2	-15.4	-12.2	0.8
19.1	34.7	-57.4	-15.4	-12.2	0.6
19.9	34.8	-57.2	-15.5	-12.1	0.8
20.8	34.8	-57.5	-15.5	-12.1	1.0
21.7	34.8	-57.0	-15.4	-12.1	0.9
22.9	34.8	-57.4	-15.5	-12.1	0.6
24.1	34.8	-57.3	-15.5	-12.1	0.9
25.3	34.8	-56.9	-15.5	-12.0	1.0
26.5	34.8	-57.3	-15.5	-12.0	0.6
27.6	34.8	-57.2	-15.5	-12.0	1.0
28.8	34.8	-57.0	-15.5	-12.0	0.9
30.0	34.9	-57.4	-15.5	-11.9	1.0
31.4	34.9	-57.4	-15.5	-11.9	0.7
33.1	34.9	-57.4	-15.5	-11.9	1.0
34.7	34.9	-57.2	-15.5	-11.8	1.1
36.4	34.9	-57.2	-15.5	-11.8	0.8
38.1	34.9	-57.4	-15.5	-11.8	1.0

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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
39.7	34.9	-57.4	-15.6	-11.8	0.8
41.4	34.9	-57.2	-15.5	-11.8	1.0
43.4	34.9	-57.4	-15.5	-11.7	1.0
45.7	34.9	-57.3	-15.6	-11.7	1.0
48.0	34.9	-57.2	-15.5	-11.7	0.9
50.3	34.9	-57.4	-15.6	-11.7	0.9
52.6	35.0	-57.2	-15.6	-11.7	0.9
54.9	35.0	-57.4	-15.6	-11.7	1.0
57.2	34.9	-57.2	-15.6	-11.7	0.8
59.9	34.9	-57.1	-15.6	-11.7	1.0
63.0	34.9	-57.1	-15.6	-11.7	0.9
66.2	35.0	-57.4	-15.6	-11.7	1.0
69.4	34.9	-57.3	-15.7	-11.7	0.8
72.6	34.9	-57.3	-15.6	-11.7	0.9
75.7	34.9	-57.0	-15.6	-11.7	0.9
78.9	34.9	-57.3	-15.7	-11.7	0.9
82.6	34.9	-57.2	-15.7	-11.7	0.9
87.0	34.9	-57.1	-15.6	-11.7	0.9
91.4	34.9	-57.0	-15.7	-11.7	0.8
95.8	34.9	-57.2	-15.7	-11.7	0.9
100.2	34.9	-57.3	-15.7	-11.7	0.9
104.5	34.9	-57.5	-15.7	-11.7	0.9
108.9	34.9	-57.1	-15.7	-11.8	0.8
114.1	34.9	-57.3	-15.8	-11.8	0.8
120.1	34.9	-57.2	-15.7	-11.9	0.8
126.2	34.9	-57.2	-15.8	-11.8	0.8
132.2	34.9	-57.0	-15.8	-11.7	0.9
138.3	34.9	-57.4	-15.8	-11.7	0.9
144.3	34.9	-57.4	-15.8	-11.7	0.8
150.4	34.9	-57.4	-15.9	-11.7	0.9
157.4	34.9	-57.1	-15.9	-11.7	0.8
166.0	34.9	-57.3	-16.0	-11.7	0.9
174.6	34.9	-57.3	-16.0	-11.7	0.8
183.1	34.9	-57.3	-16.0	-11.7	0.8
191.7	34.9	-57.6	-16.1	-11.7	0.8
200.2	34.9	-57.3	-16.1	-11.7	0.9
208.8	34.9	-57.6	-16.2	-11.7	0.8
217.3	34.9	-57.6	-16.2	-11.8	0.8
227.6	34.9	-57.5	-16.3	-11.7	0.9
239.6	34.9	-57.5	-16.4	-11.7	0.8
251.7	34.9	-57.4	-16.5	-11.7	0.8
263.8	34.9	-57.4	-16.6	-11.7	0.8
275.9	34.9	-57.6	-16.7	-11.7	0.8
287.9	34.9	-57.7	-16.8	-11.7	0.8
300.0	34.9	-57.4	-16.9	-11.7	0.9
314.1	34.9	-57.8	-17.0	-11.7	0.8
330.8	34.9	-57.9	-17.2	-11.7	0.8
347.5	34.9	-57.8	-17.4	-11.7	0.9
364.1	34.9	-57.6	-17.5	-11.7	0.8
380.8	34.8	-57.8	-17.7	-11.6	0.8
397.5	34.8	-57.5	-17.9	-11.6	0.8
414.1	34.8	-58.2	-18.1	-11.6	0.8
433.6	34.8	-57.9	-18.3	-11.6	0.8

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
456.6	34.8	-57.9	-18.7	-11.7	0.8
479.6	34.8	-58.2	-19.0	-11.6	0.8
502.6	34.8	-58.2	-19.5	-11.6	0.8
525.6	34.8	-58.2	-19.8	-11.5	0.8
548.6	34.8	-58.0	-20.3	-11.5	0.8
571.6	34.8	-58.1	-20.8	-11.4	0.9
598.6	34.8	-58.1	-21.4	-11.4	0.8
630.3	34.8	-58.4	-22.2	-11.3	0.8
662.1	34.8	-58.3	-22.9	-11.2	0.8
693.8	34.8	-58.1	-23.5	-11.2	0.8
725.6	34.8	-58.3	-24.2	-11.1	0.8
757.3	34.7	-58.8	-24.8	-11.0	0.8
789.1	34.7	-58.9	-25.1	-11.0	0.8
826.3	34.7	-59.2	-25.0	-10.9	0.8
870.1	34.7	-59.0	-24.8	-10.8	0.8
913.9	34.7	-59.1	-24.0	-10.6	0.8
957.8	34.7	-59.2	-22.9	-10.5	0.8
1001.6	34.6	-59.6	-22.1	-10.4	0.8
1045.4	34.7	-60.1	-21.3	-10.3	0.8
1089.2	34.6	-60.6	-20.3	-10.2	0.9
1140.6	34.6	-60.0	-19.1	-10.1	0.8
1202.5	34.5	-60.9	-18.4	-10.2	0.8
1264.5	34.4	-62.1	-18.5	-10.6	0.8
1326.5	34.6	-62.7	-19.0	-11.1	0.8
1388.5	34.7	-61.8	-18.9	-11.3	0.9
1450.5	34.8	-62.2	-18.8	-11.5	0.9
1512.4	34.9	-62.2	-18.7	-11.8	0.9
1574.4	34.9	-60.9	-18.6	-12.1	0.9
1648.6	35.0	-60.2	-18.6	-12.3	0.9
1736.1	35.1	-59.4	-19.1	-12.4	0.9
1823.5	35.1	-58.8	-20.4	-12.6	0.9
1911.0	35.0	-58.2	-22.2	-12.6	0.9
1998.4	35.0	-56.9	-23.1	-12.8	0.9
2085.9	34.8	-56.1	-21.1	-12.8	0.9
2173.3	34.6	-55.3	-18.4	-12.8	1.0
2275.7	34.2	-54.6	-15.4	-12.8	1.0
2396.4	33.5	-53.2	-13.1	-12.8	0.9
2517.2	32.8	-52.1	-11.7	-12.5	0.9
2637.9	32.0	-50.8	-10.8	-11.7	0.9
2758.6	31.0	-49.3	-10.3	-10.6	1.0
2879.3	29.7	-48.0	-9.9	-9.1	1.0
3000.0	27.7	-46.6	-9.8	-7.6	1.0