

AM-1373-Series

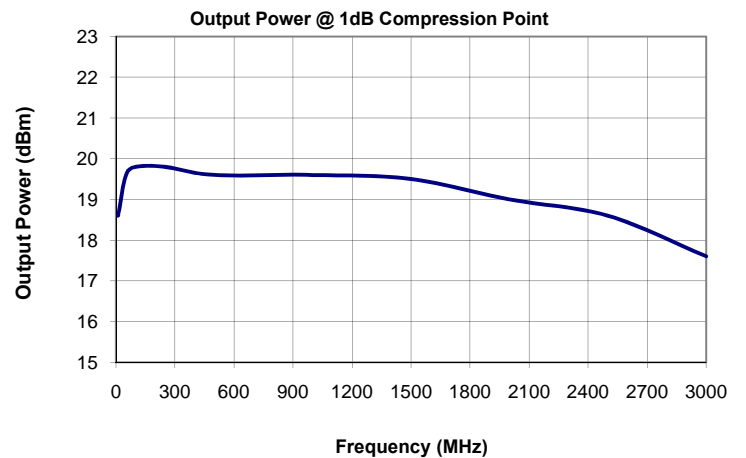
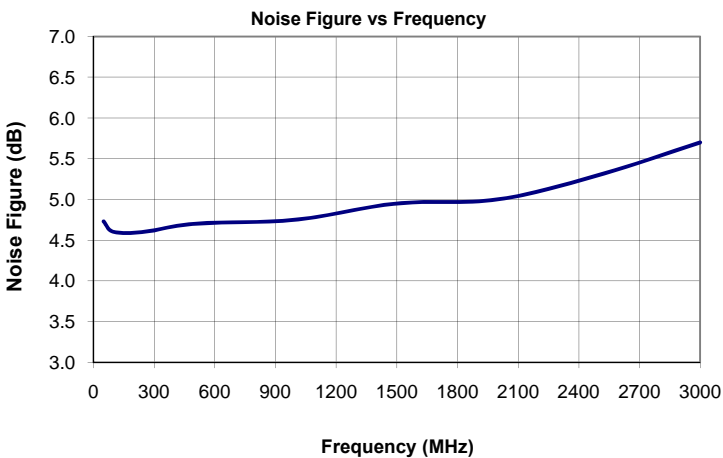
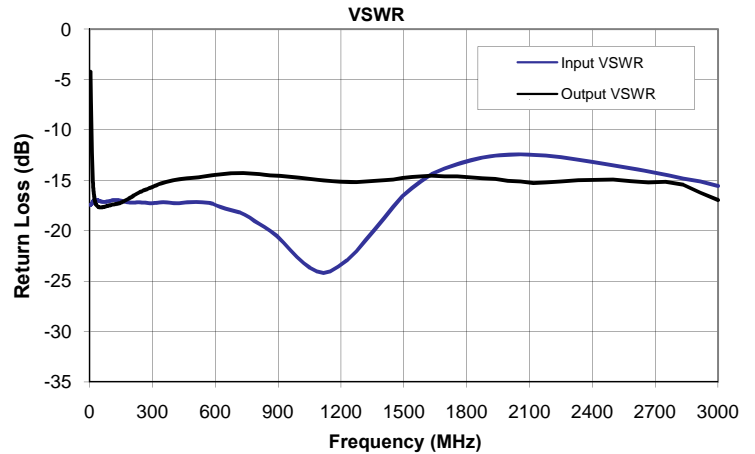
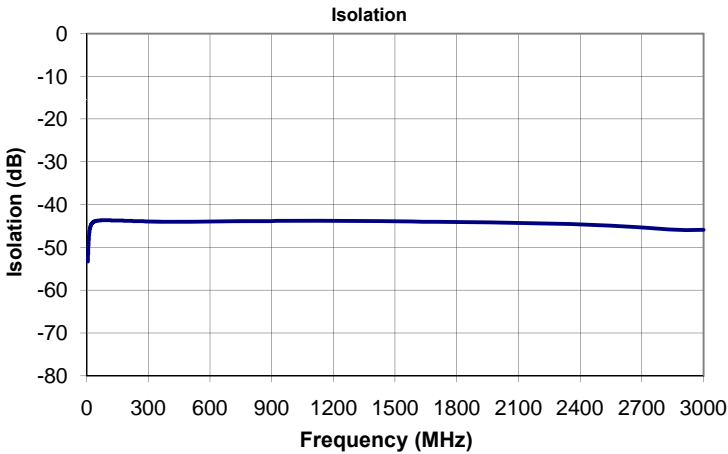
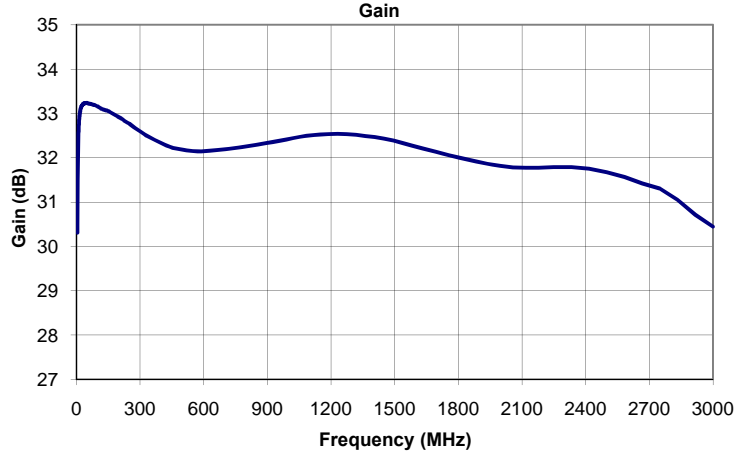
Features

- 3-Year Warranty
- Ultra Broadband
- Medium Power
- Internally regulated to +8V
- Reverse voltage protected

Parameter	Specification
Frequency Range	50-3000 MHz Min.
Gain	30 dB Min, 33 dB Typ.
Gain Flatness	± 2.0 dB Max, ± 1.5 dB Typ.
Input VSWR	2.0:1 Max.
Output VSWR	2.0:1 Max.
*Noise Figure (dB)	5.0, 5.0, 6.0
*Output P1dB (dBm)	18, 18, 17
DC Voltage	+11 to +30 (Marked for +15V)
DC Current	165 mA

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

*P1dB at 50 MHz, 1500 MHz & 3000 MHz



AM-1373 Series

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
5.0	30.3	-53.3	-17.4	-4.2	40.2
5.2	30.5	-52.9	-17.4	-4.5	40.7
5.4	30.7	-52.5	-17.4	-4.8	38.1
5.6	30.8	-52.1	-17.4	-5.1	35.9
5.7	31.0	-51.8	-17.4	-5.4	34.8
5.9	31.1	-51.5	-17.4	-5.6	33.1
6.1	31.3	-51.2	-17.4	-5.9	31.2
6.3	31.4	-50.9	-17.4	-6.2	29.5
6.5	31.5	-50.6	-17.4	-6.5	28.1
6.7	31.6	-50.3	-17.4	-6.8	26.5
6.9	31.7	-50.0	-17.4	-7.1	25.4
7.1	31.8	-49.8	-17.4	-7.4	24.1
7.4	31.9	-49.5	-17.4	-7.7	22.6
7.7	32.0	-49.2	-17.4	-8.1	21.3
7.9	32.1	-49.0	-17.4	-8.4	19.9
8.2	32.2	-48.7	-17.4	-8.7	19.2
8.4	32.2	-48.5	-17.4	-9.0	17.8
8.7	32.3	-48.3	-17.4	-9.4	17.1
8.9	32.4	-48.1	-17.4	-9.7	16.2
9.2	32.4	-47.9	-17.4	-10.0	15.2
9.5	32.5	-47.7	-17.4	-10.3	14.3
9.8	32.5	-47.5	-17.4	-10.6	13.8
10.2	32.6	-47.3	-17.3	-11.0	12.7
10.5	32.6	-47.1	-17.3	-11.3	12.3
10.9	32.6	-47.0	-17.3	-11.6	11.4
11.2	32.7	-46.8	-17.3	-11.9	10.9
11.6	32.7	-46.7	-17.3	-12.2	10.1
11.9	32.8	-46.5	-17.3	-12.5	9.6
12.3	32.8	-46.4	-17.3	-12.8	9.1
12.6	32.8	-46.2	-17.2	-13.1	8.7
13.1	32.8	-46.1	-17.2	-13.4	7.9
13.5	32.9	-46.0	-17.2	-13.7	7.6
14.0	32.9	-45.8	-17.2	-13.9	7.2
14.5	32.9	-45.7	-17.2	-14.2	6.8
15.0	33.0	-45.6	-17.1	-14.4	6.3
15.5	33.0	-45.5	-17.1	-14.7	6.0
16.0	33.0	-45.4	-17.1	-14.9	5.7
16.4	33.0	-45.3	-17.1	-15.1	5.4
16.9	33.0	-45.2	-17.1	-15.3	5.1
17.4	33.0	-45.1	-17.1	-15.5	4.9
18.0	33.1	-45.0	-17.0	-15.7	4.6
18.6	33.1	-44.9	-17.0	-15.9	4.4
19.3	33.1	-44.8	-17.0	-16.0	4.2
20.0	33.1	-44.8	-17.0	-16.2	3.9
20.6	33.1	-44.7	-17.0	-16.3	3.9
21.3	33.1	-44.6	-17.0	-16.5	3.5
22.0	33.1	-44.6	-17.0	-16.6	3.5
22.6	33.1	-44.5	-16.9	-16.7	3.2
23.3	33.2	-44.4	-16.9	-16.8	3.1
24.0	33.2	-44.4	-16.9	-16.9	2.9
24.7	33.2	-44.4	-16.9	-17.0	2.8
25.7	33.2	-44.3	-16.9	-17.1	2.7
26.6	33.2	-44.3	-16.9	-17.1	2.7

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
27.5	33.2	-44.2	-16.9	-17.2	2.5
28.4	33.2	-44.2	-16.9	-17.3	2.4
29.3	33.2	-44.1	-16.9	-17.3	2.3
30.2	33.2	-44.1	-16.9	-17.4	2.3
31.2	33.2	-44.1	-16.9	-17.4	2.1
32.1	33.2	-44.0	-16.9	-17.4	2.1
33.0	33.2	-44.0	-16.9	-17.5	2.0
34.1	33.2	-44.0	-16.9	-17.5	1.9
35.3	33.2	-44.0	-16.9	-17.5	1.8
36.6	33.2	-43.9	-17.0	-17.6	1.7
37.9	33.2	-43.9	-17.0	-17.6	1.7
39.1	33.2	-43.9	-17.0	-17.6	1.5
40.4	33.2	-43.9	-17.0	-17.6	1.6
41.7	33.2	-43.8	-17.0	-17.6	1.5
42.9	33.2	-43.8	-17.0	-17.7	1.5
44.2	33.2	-43.8	-17.0	-17.7	1.5
45.4	33.2	-43.8	-17.0	-17.7	1.4
46.9	33.2	-43.8	-17.0	-17.7	1.4
48.7	33.2	-43.8	-17.1	-17.7	1.4
50.4	33.2	-43.8	-17.1	-17.7	1.3
52.1	33.2	-43.8	-17.1	-17.7	1.4
53.9	33.2	-43.7	-17.1	-17.7	1.2
55.6	33.2	-43.7	-17.1	-17.7	1.2
57.3	33.2	-43.7	-17.1	-17.7	1.1
59.1	33.2	-43.7	-17.1	-17.7	1.1
60.8	33.2	-43.7	-17.1	-17.7	1.1
62.6	33.2	-43.7	-17.1	-17.7	1.1
64.6	33.2	-43.7	-17.1	-17.7	1.1
67.0	33.2	-43.7	-17.1	-17.7	1.1
69.4	33.2	-43.7	-17.1	-17.6	1.1
71.8	33.2	-43.7	-17.1	-17.6	1.0
74.2	33.2	-43.7	-17.1	-17.6	1.0
76.6	33.2	-43.7	-17.1	-17.6	1.1
79.0	33.2	-43.7	-17.1	-17.6	1.0
81.4	33.2	-43.7	-17.1	-17.6	1.0
83.8	33.2	-43.6	-17.1	-17.6	1.0
86.1	33.2	-43.6	-17.1	-17.6	1.0
88.9	33.2	-43.6	-17.1	-17.5	1.0
92.3	33.2	-43.6	-17.1	-17.5	0.9
95.7	33.2	-43.6	-17.0	-17.5	0.9
99.0	33.2	-43.6	-17.0	-17.5	0.9
102.4	33.2	-43.6	-17.0	-17.5	0.9
105.7	33.1	-43.7	-17.0	-17.4	0.9
109.1	33.1	-43.7	-17.0	-17.4	0.9
112.4	33.1	-43.7	-17.0	-17.4	0.9
115.8	33.1	-43.7	-17.0	-17.4	0.9
119.1	33.1	-43.7	-16.9	-17.4	0.9
122.5	33.1	-43.7	-16.9	-17.4	0.8
126.5	33.1	-43.7	-16.9	-17.4	0.8
131.1	33.1	-43.7	-17.0	-17.3	0.9
135.8	33.1	-43.7	-17.0	-17.3	0.8
140.5	33.1	-43.7	-17.0	-17.3	0.8
145.2	33.1	-43.7	-17.0	-17.3	0.8

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149.9	33.1	-43.7	-17.0	-17.2	0.9
154.6	33.0	-43.7	-17.0	-17.2	0.8
159.3	33.0	-43.7	-17.1	-17.1	0.8
164.0	33.0	-43.7	-17.1	-17.1	0.8
168.6	33.0	-43.7	-17.1	-17.0	0.8
174.1	33.0	-43.7	-17.1	-17.0	0.8
180.6	33.0	-43.8	-17.2	-16.9	0.8
187.0	33.0	-43.8	-17.2	-16.8	0.8
193.5	32.9	-43.8	-17.2	-16.8	0.8
199.9	32.9	-43.8	-17.2	-16.7	0.8
206.4	32.9	-43.8	-17.2	-16.6	0.8
212.8	32.9	-43.8	-17.2	-16.5	0.8
219.3	32.9	-43.8	-17.2	-16.4	0.8
225.7	32.8	-43.8	-17.2	-16.3	0.8
232.2	32.8	-43.8	-17.2	-16.3	0.8
239.7	32.8	-43.8	-17.2	-16.2	0.8
248.6	32.8	-43.9	-17.2	-16.1	0.8
257.5	32.7	-43.9	-17.2	-16.0	0.8
266.4	32.7	-43.9	-17.2	-15.9	0.8
275.3	32.7	-43.9	-17.2	-15.9	0.8
284.2	32.6	-43.9	-17.3	-15.8	0.7
293.1	32.6	-43.9	-17.3	-15.7	0.8
301.9	32.6	-43.9	-17.3	-15.7	0.7
310.8	32.6	-43.9	-17.2	-15.6	0.7
319.7	32.5	-44.0	-17.2	-15.5	0.7
330.1	32.5	-44.0	-17.2	-15.4	0.7
342.3	32.5	-44.0	-17.2	-15.3	0.7
354.6	32.4	-44.0	-17.2	-15.3	0.7
366.8	32.4	-44.0	-17.2	-15.2	0.7
379.1	32.4	-44.0	-17.2	-15.1	0.7
391.3	32.3	-44.0	-17.2	-15.0	0.7
403.5	32.3	-44.0	-17.3	-15.0	0.7
415.8	32.3	-44.0	-17.3	-14.9	0.7
428.0	32.3	-44.0	-17.3	-14.9	0.7
440.2	32.2	-44.0	-17.2	-14.9	0.7
454.5	32.2	-44.0	-17.2	-14.8	0.7
471.4	32.2	-44.0	-17.2	-14.8	0.7
488.2	32.2	-44.0	-17.1	-14.8	0.7
505.1	32.2	-44.0	-17.1	-14.8	0.7
521.9	32.2	-44.0	-17.2	-14.7	0.7
538.8	32.2	-44.0	-17.2	-14.7	0.7
555.6	32.1	-44.0	-17.2	-14.6	0.7
572.5	32.1	-44.0	-17.2	-14.6	0.7
589.3	32.1	-44.0	-17.3	-14.5	0.7
606.2	32.2	-44.0	-17.5	-14.5	0.7
625.9	32.2	-43.9	-17.7	-14.4	0.7
649.1	32.2	-43.9	-17.8	-14.4	0.7
672.2	32.2	-43.9	-17.9	-14.3	0.7
695.4	32.2	-43.9	-18.1	-14.3	0.7
718.6	32.2	-43.9	-18.2	-14.3	0.7
741.8	32.2	-43.9	-18.4	-14.3	0.7
765.0	32.2	-43.9	-18.7	-14.3	0.7
788.2	32.2	-43.9	-19.0	-14.4	0.7

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
811.4	32.3	-43.8	-19.3	-14.4	0.7
834.6	32.3	-43.8	-19.6	-14.5	0.7
861.8	32.3	-43.8	-20.0	-14.5	0.7
893.7	32.3	-43.8	-20.5	-14.6	0.7
925.6	32.4	-43.8	-21.2	-14.6	0.7
957.6	32.4	-43.8	-21.9	-14.7	0.7
989.5	32.4	-43.8	-22.6	-14.7	0.7
1021.4	32.4	-43.8	-23.2	-14.8	0.7
1053.4	32.5	-43.8	-23.7	-14.9	0.7
1085.3	32.5	-43.8	-24.0	-14.9	0.8
1117.3	32.5	-43.8	-24.2	-15.0	0.8
1149.2	32.5	-43.8	-24.0	-15.1	0.8
1186.6	32.5	-43.8	-23.6	-15.1	0.8
1230.5	32.5	-43.8	-22.9	-15.2	0.8
1274.5	32.5	-43.8	-22.0	-15.2	0.8
1318.5	32.5	-43.8	-20.9	-15.1	0.8
1362.5	32.5	-43.8	-19.8	-15.1	0.8
1406.5	32.5	-43.8	-18.7	-15.0	0.8
1450.4	32.4	-43.9	-17.6	-14.9	0.8
1494.4	32.4	-43.9	-16.6	-14.8	0.8
1538.4	32.3	-43.9	-15.8	-14.7	0.8
1582.4	32.3	-44.0	-15.1	-14.6	0.8
1633.8	32.2	-44.0	-14.4	-14.6	0.7
1694.3	32.1	-44.0	-13.8	-14.6	0.7
1754.9	32.1	-44.1	-13.4	-14.6	0.7
1815.5	32.0	-44.1	-13.0	-14.7	0.7
1876.0	31.9	-44.1	-12.7	-14.8	0.7
1936.6	31.9	-44.2	-12.5	-14.9	0.7
1997.1	31.8	-44.2	-12.5	-15.1	0.7
2057.7	31.8	-44.2	-12.4	-15.1	0.7
2118.2	31.8	-44.2	-12.5	-15.3	0.7
2178.8	31.8	-44.3	-12.5	-15.2	0.7
2249.6	31.8	-44.4	-12.7	-15.1	0.8
2333.0	31.8	-44.5	-12.9	-15.0	0.8
2416.4	31.8	-44.7	-13.2	-15.0	0.8
2499.7	31.7	-44.9	-13.5	-14.9	0.8
2583.1	31.6	-45.0	-13.8	-15.1	0.8
2666.5	31.4	-45.2	-14.1	-15.2	0.8
2749.9	31.3	-45.5	-14.4	-15.1	0.8
2833.2	31.1	-45.8	-14.8	-15.5	0.8
2916.6	30.7	-45.9	-15.1	-16.2	0.7
3000.0	30.4	-45.9	-15.5	-17.0	0.7