

# AU-1667

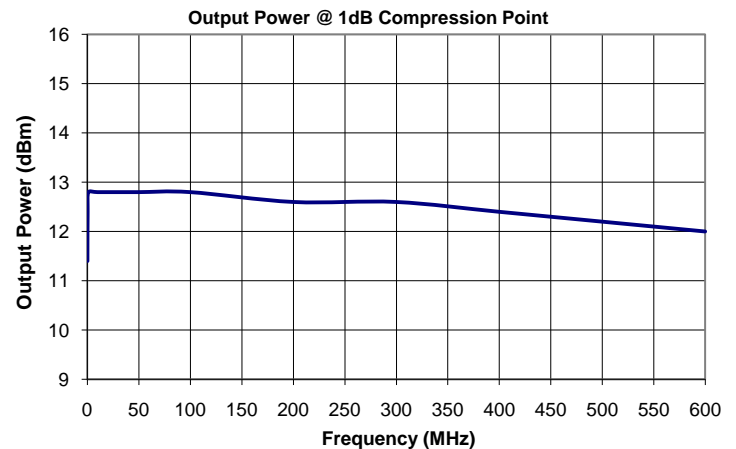
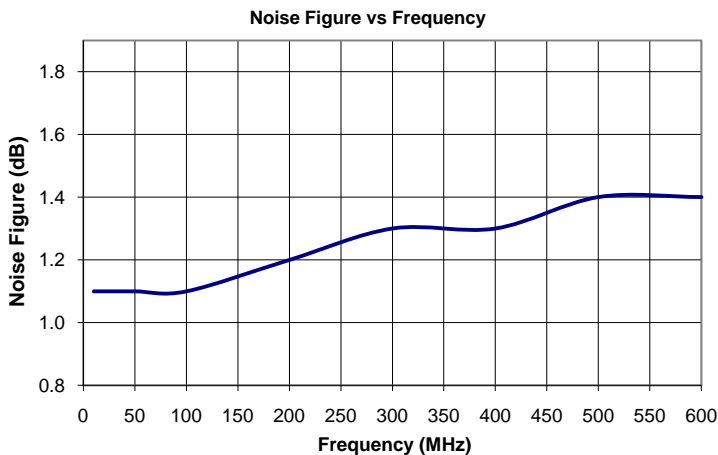
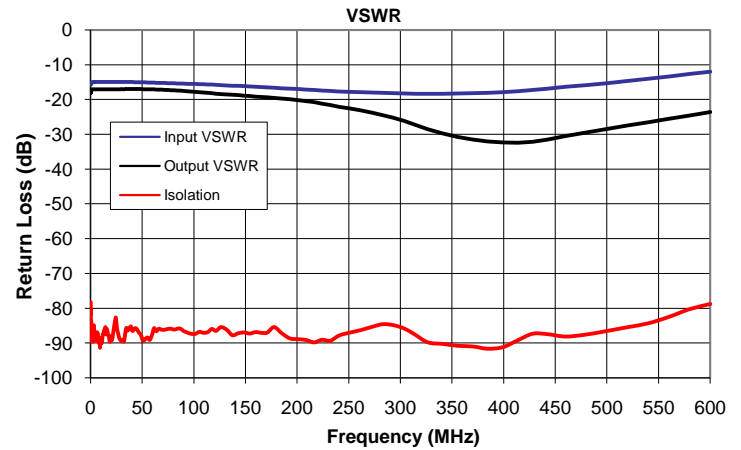
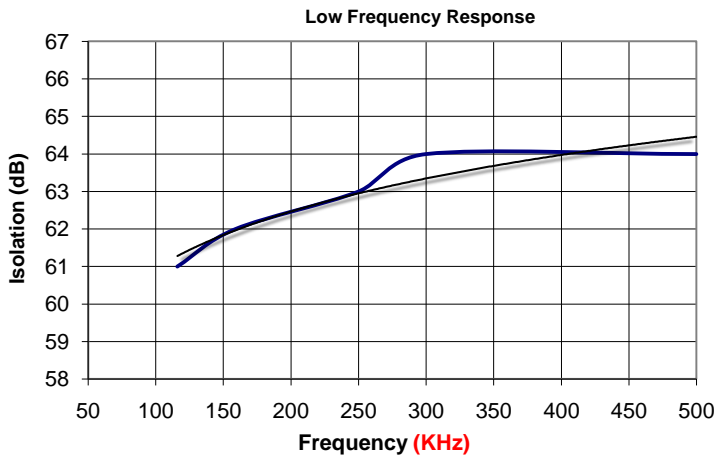
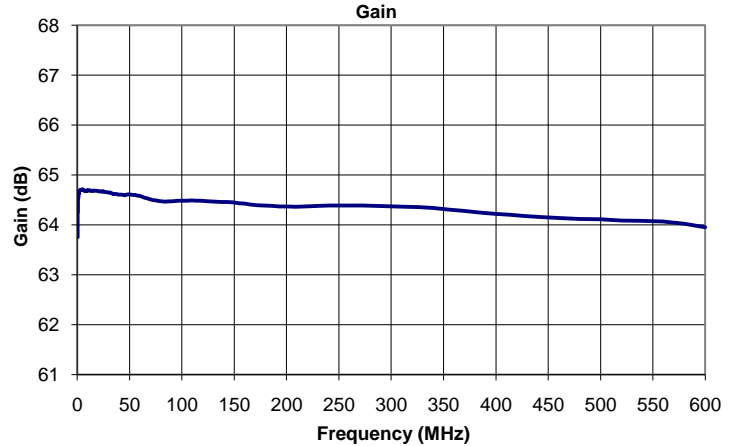
## Features

- 3-Year Warranty
- Low Noise Figure
- Flat Gain Response
- Internally regulated to +9V
- Reverse voltage protected
- Input Limiter Protected

Parameter	Specification
Frequency Range	0.3 - 600 MHz
Gain	62 dB Min, 64 dB Typ.
Gain Flatness	$\pm 0.75$ dB Max, $\pm 0.5$ dB Typ.
Input VSWR	2.0:1 Max.
Output VSWR	2.0:1 Max.
*Noise Figure (dB)	1.2, 1.3, 1.5
*Output P1dB (+dBm)	+12, +12, +11
DC Voltage	+12 to +30V (Marked for +15V)
DC Current	135 mA

\*Noise Figure at 10 MHz, 600 MHz & 600 MHz

\*P1dB at 0.3 MHz, 300 MHz & 600 MHz



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FREQ. (MHz)	GAIN (dB)	ISOL. (dB)	INPUT VSWR (dBRL)	OUTPUT VSWR (dBRL)	S21 DELAY (Ns)
0.30	63.8	-78.2	-15.7	-17.9	-56.5
0.31	63.8	-81.7	-15.5	-18.1	37.5
0.33	63.9	-80.2	-15.6	-17.9	32.1
0.34	63.9	-81.3	-15.5	-18.0	52.8
0.35	64.0	-82.8	-15.5	-18.0	47.4
0.37	64.0	-84.2	-15.4	-18.0	60.3
0.38	64.1	-83.6	-15.4	-17.9	90.7
0.39	64.1	-85.5	-15.3	-17.9	65.6
0.41	64.1	-85.7	-15.3	-17.9	60.8
0.42	64.2	-85.3	-15.2	-17.9	60.4
0.44	64.2	-85.7	-15.2	-17.8	60.4
0.46	64.3	-86.2	-15.2	-17.8	53.7
0.48	64.3	-85.7	-15.2	-17.7	56.3
0.50	64.3	-85.3	-15.2	-17.6	58.3
0.51	64.3	-85.1	-15.2	-17.6	55.1
0.53	64.4	-86.1	-15.2	-17.6	31.3
0.55	64.4	-86.5	-15.2	-17.5	44.1
0.57	64.4	-85.4	-15.2	-17.5	36.5
0.60	64.4	-85.0	-15.2	-17.5	44.1
0.62	64.4	-84.1	-15.2	-17.4	31.9
0.65	64.5	-84.5	-15.2	-17.4	26.5
0.67	64.5	-84.3	-15.2	-17.4	18.7
0.70	64.5	-84.2	-15.2	-17.4	24.9
0.72	64.5	-83.6	-15.2	-17.3	22.9
0.75	64.5	-84.6	-15.2	-17.3	25.8
0.78	64.5	-85.9	-15.1	-17.3	16.2
0.81	64.5	-87.0	-15.1	-17.3	16.3
0.84	64.6	-87.6	-15.1	-17.3	12.2
0.88	64.6	-86.6	-15.1	-17.3	14.1
0.91	64.6	-87.3	-15.1	-17.2	22.6
0.95	64.6	-87.3	-15.1	-17.2	18.5
0.98	64.6	-89.5	-15.1	-17.2	15.9
1.02	64.6	-88.1	-15.0	-17.2	13.7
1.05	64.6	-86.9	-15.1	-17.2	11.4
1.09	64.6	-86.3	-15.0	-17.2	8.4
1.14	64.6	-88.2	-15.0	-17.2	12.9
1.19	64.6	-87.3	-15.0	-17.2	14.5
1.23	64.6	-88.9	-15.0	-17.2	12.6
1.28	64.6	-87.3	-15.0	-17.2	7.1
1.33	64.6	-87.2	-15.0	-17.2	8.7
1.38	64.6	-87.2	-15.0	-17.2	6.2
1.43	64.6	-87.8	-15.0	-17.2	8.4
1.48	64.6	-88.2	-15.0	-17.2	7.7
1.54	64.7	-89.0	-15.0	-17.1	6.0
1.61	64.7	-88.5	-15.0	-17.1	8.4
1.67	64.7	-88.0	-15.0	-17.1	6.7
1.74	64.7	-87.1	-15.0	-17.1	5.9
1.80	64.7	-88.2	-15.0	-17.1	7.0
1.87	64.7	-88.9	-15.0	-17.1	7.1
1.93	64.7	-87.3	-15.0	-17.1	5.1
2.01	64.7	-86.3	-15.0	-17.1	3.9
2.10	64.7	-86.9	-15.0	-17.1	3.7
2.18	64.7	-85.9	-15.0	-17.1	6.1

FREQ. (MHz)	GAIN (dB)	ISOL. (dB)	INPUT VSWR (dBRL)	OUTPUT VSWR (dBRL)	S21 DELAY (Ns)
2.27	64.7	-88.2	-15.0	-17.1	4.0
2.36	64.7	-88.8	-15.0	-17.1	4.3
2.45	64.7	-87.7	-15.0	-17.1	4.1
2.54	64.7	-89.0	-15.0	-17.1	2.6
2.63	64.7	-89.6	-15.0	-17.1	2.6
2.72	64.7	-88.6	-15.0	-17.1	3.3
2.82	64.7	-89.4	-15.0	-17.1	3.8
2.95	64.7	-87.2	-15.0	-17.1	4.1
3.07	64.7	-86.5	-15.0	-17.1	3.6
3.19	64.7	-86.8	-14.9	-17.1	1.9
3.32	64.7	-84.8	-14.9	-17.1	2.6
3.44	64.7	-85.7	-14.9	-17.1	2.7
3.56	64.7	-85.8	-14.9	-17.1	3.3
3.69	64.7	-86.5	-14.9	-17.1	2.9
3.83	64.7	-87.5	-14.9	-17.1	2.6
3.99	64.7	-87.4	-14.9	-17.1	2.5
4.16	64.7	-87.6	-14.9	-17.1	2.9
4.33	64.7	-88.5	-14.9	-17.1	2.0
4.49	64.7	-88.0	-14.9	-17.1	4.1
4.66	64.7	-88.6	-14.9	-17.1	2.5
4.83	64.7	-88.0	-14.9	-17.1	2.2
4.99	64.7	-89.1	-14.9	-17.1	1.7
5.19	64.7	-89.1	-14.9	-17.1	2.9
5.42	64.7	-88.9	-14.9	-17.1	2.5
5.65	64.7	-89.0	-14.9	-17.1	2.1
5.88	64.7	-88.2	-14.9	-17.1	1.2
6.11	64.7	-89.5	-14.9	-17.1	2.0
6.34	64.7	-88.7	-14.9	-17.1	1.5
6.57	64.7	-86.8	-14.9	-17.1	1.9
6.80	64.7	-87.7	-14.9	-17.1	2.1
7.03	64.7	-87.4	-14.9	-17.1	2.2
7.30	64.7	-88.7	-14.9	-17.1	2.0
7.62	64.7	-88.4	-14.9	-17.1	1.8
7.94	64.7	-88.2	-14.9	-17.1	2.0
8.26	64.7	-88.5	-14.9	-17.1	2.2
8.58	64.7	-90.1	-14.9	-17.1	2.3
8.89	64.7	-89.3	-14.9	-17.1	1.8
9.21	64.7	-91.3	-14.9	-17.1	2.2
9.53	64.7	-89.1	-14.9	-17.1	2.0
9.90	64.7	-90.2	-14.9	-17.1	2.1
10.3	64.7	-89.2	-14.9	-17.1	1.7
10.8	64.7	-90.0	-14.9	-17.1	2.0
11.2	64.7	-89.6	-14.9	-17.1	1.7
11.7	64.7	-88.3	-14.9	-17.1	2.1
12.1	64.7	-87.4	-14.9	-17.1	1.6
12.5	64.7	-87.4	-14.9	-17.1	1.9
13.0	64.7	-86.6	-14.9	-17.1	1.8
13.4	64.7	-86.2	-14.9	-17.1	1.6
13.9	64.7	-86.0	-14.9	-17.1	1.6
14.5	64.7	-85.4	-14.9	-17.1	1.8
15.1	64.7	-87.5	-14.9	-17.1	1.6
15.8	64.7	-86.0	-14.9	-17.1	1.7
16.4	64.7	-86.5	-14.9	-17.1	1.7

# AM-1667

FREQ. (MHz)	GAIN (dB)	ISOL. (dB)	INPUT VSWR (dBRL)	OUTPUT VSWR (dBRL)	S21 DELAY Ns
17.0	64.7	-87.4	-14.9	-17.1	1.9
17.6	64.7	-87.9	-14.9	-17.1	1.5
18.2	64.7	-88.7	-14.9	-17.1	1.7
18.9	64.7	-89.6	-14.9	-17.1	1.7
19.7	64.7	-88.0	-14.9	-17.1	1.7
20.5	64.7	-89.2	-14.9	-17.1	1.5
21.4	64.7	-88.4	-14.9	-17.1	1.6
22.2	64.7	-86.7	-14.9	-17.1	1.7
23.0	64.7	-85.1	-14.9	-17.1	1.6
23.8	64.7	-83.6	-14.9	-17.1	1.7
24.6	64.7	-82.7	-14.9	-17.1	1.8
25.6	64.7	-85.6	-14.9	-17.1	1.7
26.7	64.7	-87.1	-14.9	-17.1	1.7
27.9	64.7	-88.5	-14.9	-17.1	1.7
29.0	64.7	-89.0	-14.9	-17.0	1.7
30.1	64.6	-89.5	-14.9	-17.0	1.7
31.3	64.7	-89.0	-14.9	-17.0	1.7
32.4	64.6	-89.5	-14.9	-17.0	1.6
33.6	64.6	-87.5	-14.9	-17.0	1.6
34.7	64.6	-85.6	-14.9	-17.0	1.6
36.0	64.6	-86.4	-14.9	-17.0	1.6
37.6	64.6	-85.7	-14.9	-17.0	1.7
39.2	64.6	-85.2	-14.9	-17.0	1.6
40.7	64.6	-86.5	-14.9	-17.0	1.8
42.3	64.6	-85.9	-14.9	-17.0	1.7
43.9	64.6	-85.7	-15.0	-17.0	1.7
45.5	64.6	-86.2	-15.0	-17.0	1.7
47.0	64.6	-87.0	-15.0	-17.0	1.7
48.8	64.6	-87.7	-15.0	-17.0	1.7
51.0	64.6	-89.4	-15.0	-17.0	1.6
53.1	64.6	-88.8	-15.0	-17.1	1.6
55.2	64.6	-88.4	-15.1	-17.1	1.6
57.4	64.6	-89.1	-15.1	-17.1	1.7
59.5	64.6	-87.8	-15.1	-17.1	1.7
61.6	64.6	-85.7	-15.1	-17.1	1.6
63.7	64.6	-86.6	-15.1	-17.2	1.7
66.2	64.5	-85.9	-15.2	-17.2	1.6
69.1	64.5	-86.2	-15.2	-17.2	1.6
72.1	64.5	-86.1	-15.2	-17.3	1.6
75.0	64.5	-85.9	-15.2	-17.3	1.6
78.0	64.5	-85.8	-15.3	-17.3	1.7
80.9	64.5	-86.1	-15.3	-17.4	1.6
83.8	64.5	-85.9	-15.3	-17.4	1.6
86.8	64.5	-85.8	-15.3	-17.5	1.6
89.7	64.5	-86.4	-15.4	-17.5	1.6
93.2	64.5	-86.9	-15.4	-17.6	1.6
97.3	64.5	-87.3	-15.4	-17.7	1.6
101.3	64.5	-87.3	-15.5	-17.8	1.7
105.4	64.5	-86.8	-15.5	-17.9	1.6
109.4	64.5	-87.0	-15.6	-18.0	1.6
113.5	64.5	-86.9	-15.6	-18.1	1.6
117.5	64.5	-85.9	-15.7	-18.2	1.6
121.6	64.5	-86.5	-15.7	-18.3	1.7

FREQ. (MHz)	GAIN (dB)	ISOL. (dB)	INPUT VSWR (dBRL)	OUTPUT VSWR (dBRL)	S21 DELAY Ns
126.3	64.5	-85.4	-15.8	-18.5	1.6
131.9	64.5	-86.1	-15.9	-18.6	1.6
137.5	64.5	-87.7	-16.0	-18.7	1.7
143.1	64.5	-87.1	-16.0	-18.8	1.6
148.8	64.4	-86.9	-16.1	-18.9	1.6
154.4	64.4	-87.2	-16.2	-19.0	1.6
160.0	64.4	-86.8	-16.3	-19.2	1.6
165.6	64.4	-87.0	-16.4	-19.3	1.6
171.2	64.4	-87.0	-16.5	-19.4	1.6
177.8	64.4	-85.4	-16.6	-19.6	1.6
185.6	64.4	-87.2	-16.7	-19.7	1.6
193.3	64.4	-88.7	-16.8	-19.9	1.6
201.0	64.4	-88.9	-17.0	-20.2	1.6
208.8	64.4	-89.1	-17.1	-20.5	1.6
216.5	64.4	-89.8	-17.2	-20.8	1.6
224.3	64.4	-89.0	-17.3	-21.2	1.6
232.0	64.4	-89.3	-17.5	-21.6	1.6
241.0	64.4	-87.8	-17.6	-22.1	1.7
251.5	64.4	-86.9	-17.8	-22.6	1.6
262.0	64.4	-86.2	-17.9	-23.2	1.7
272.5	64.4	-85.3	-17.9	-23.8	1.7
283.0	64.4	-84.5	-18.1	-24.5	1.6
293.5	64.4	-84.8	-18.2	-25.3	1.6
304.0	64.4	-85.8	-18.2	-26.2	1.7
314.5	64.4	-87.6	-18.3	-27.3	1.7
326.6	64.4	-89.8	-18.3	-28.6	1.7
341.1	64.3	-90.2	-18.3	-29.8	1.7
355.7	64.3	-90.8	-18.2	-30.8	1.7
370.2	64.3	-91.0	-18.1	-31.5	1.7
384.7	64.3	-91.6	-18.0	-32.1	1.7
399.2	64.2	-91.2	-17.8	-32.3	1.6
413.7	64.2	-89.2	-17.5	-32.4	1.7
428.2	64.2	-87.3	-17.2	-32.2	1.7
442.7	64.2	-87.4	-16.8	-31.5	1.7
459.8	64.1	-88.1	-16.3	-30.5	1.7
479.9	64.1	-87.5	-15.8	-29.5	1.7
499.9	64.1	-86.5	-15.2	-28.4	1.7
519.9	64.1	-85.4	-14.6	-27.5	1.7
539.9	64.1	-84.3	-14.0	-26.5	1.7
560.0	64.1	-82.4	-13.3	-25.5	1.8
580.0	64.0	-80.2	-12.6	-24.6	1.8
600.0	64.0	-78.7	-12.0	-23.6	1.8