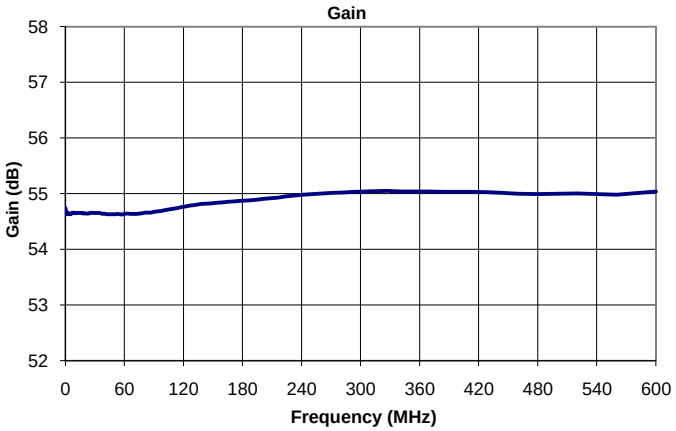
AU-3A-0150 & AU-1027

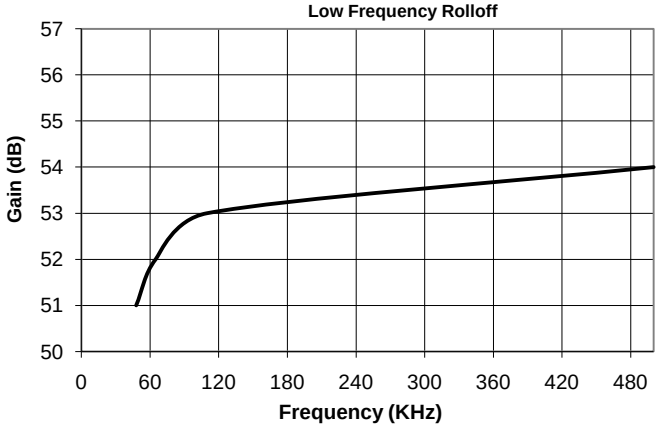
Features

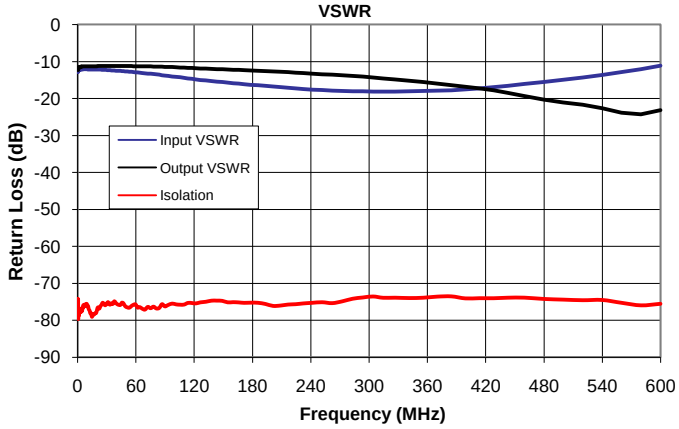
- 3-Year Warranty
- Very low noise figure
- Unconditionally stable
- Internally regulated to +8V
- Reverse voltage protected
- Input Limiter Protected

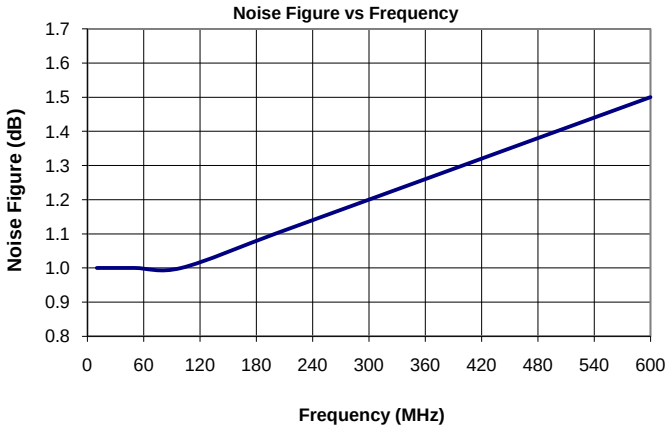
Parameter	Specification
Frequency Range	1-500 MHz (AU-2A-0150)
Gain	52 dB Min, 54 dB Typ.
Gain Flatness	± 0.5 dB Max.
Input VSWR	2.0:1 Max.
Output VSWR	2.0:1 Max.
*Noise Figure (dB)	1.2, 1.3, 1.4
Output P1dB (dBm)	+12
DC Voltage	+11 to +30 (Marked for +15V)
DC Current	95 mA

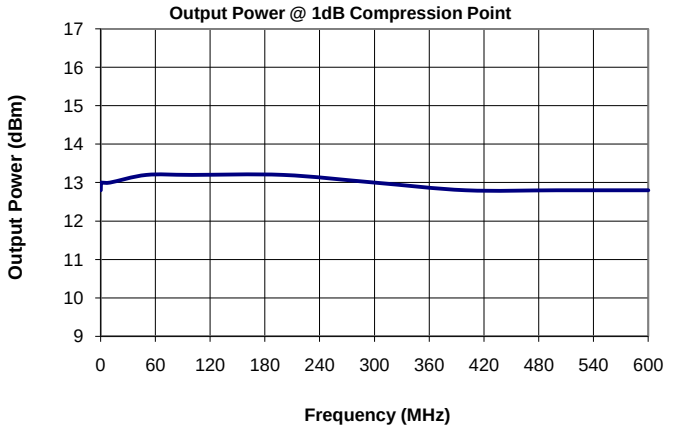
*Noise Figure at 10 MHz, 250 MHz & 500 MHz











MITEQ

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AU-3A-0150 & AU-1027

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
0.30	54.7	-74.5	-12.8	-12.4	183.4
0.31	54.7	-74.6	-12.7	-12.2	158.8
0.33	54.7	-74.3	-12.7	-12.2	142.8
0.34	54.7	-75.9	-12.7	-12.2	131.3
0.35	54.7	-77.5	-12.7	-12.2	112.5
0.37	54.7	-77.7	-12.6	-12.1	114.5
0.38	54.7	-78.1	-12.6	-12.1	95.9
0.39	54.7	-78.5	-12.7	-12.1	100.6
0.41	54.7	-79.2	-12.6	-12.1	73.9
0.42	54.7	-79.7	-12.6	-12.1	75.8
0.44	54.7	-79.7	-12.6	-12.1	67.5
0.46	54.7	-79.3	-12.6	-12.0	60.4
0.48	54.7	-78.4	-12.5	-12.0	53.7
0.50	54.7	-78.0	-12.5	-12.0	60.7
0.51	54.7	-77.7	-12.5	-12.0	44.1
0.53	54.7	-77.2	-12.5	-12.0	53.3
0.55	54.7	-76.8	-12.5	-12.0	34.4
0.57	54.7	-76.5	-12.5	-12.0	43.2
0.60	54.7	-76.7	-12.5	-11.9	42.1
0.62	54.7	-76.5	-12.4	-11.9	40.4
0.65	54.7	-76.5	-12.4	-11.9	34.5
0.67	54.7	-76.7	-12.4	-11.9	28.6
0.70	54.6	-77.0	-12.4	-11.9	28.8
0.72	54.7	-77.8	-12.4	-11.9	27.1
0.75	54.6	-78.2	-12.4	-11.9	19.2
0.78	54.7	-78.5	-12.4	-11.9	21.1
0.81	54.6	-78.1	-12.4	-11.9	20.4
0.84	54.7	-78.0	-12.4	-11.9	17.7
0.88	54.7	-78.7	-12.4	-11.8	16.4
0.91	54.7	-78.7	-12.3	-11.8	19.7
0.95	54.7	-78.2	-12.3	-11.8	22.8
0.98	54.7	-77.9	-12.3	-11.8	18.3
1.02	54.7	-78.0	-12.3	-11.8	15.3
1.05	54.6	-78.2	-12.3	-11.8	14.1
1.09	54.6	-78.3	-12.3	-11.8	13.7
1.14	54.6	-78.7	-12.3	-11.7	11.7
1.19	54.6	-78.5	-12.3	-11.7	11.2
1.23	54.6	-77.9	-12.3	-11.7	11.5
1.28	54.6	-77.8	-12.3	-11.7	12.5
1.33	54.6	-77.9	-12.3	-11.7	7.2
1.38	54.7	-78.0	-12.3	-11.7	8.1
1.43	54.7	-77.3	-12.3	-11.7	7.3
1.48	54.7	-77.6	-12.3	-11.6	6.2
1.54	54.7	-77.1	-12.3	-11.6	9.2
1.61	54.7	-76.9	-12.3	-11.6	8.0
1.67	54.7	-76.9	-12.3	-11.6	4.8
1.74	54.7	-77.1	-12.2	-11.6	5.1
1.80	54.7	-77.1	-12.2	-11.6	2.4
1.87	54.7	-76.9	-12.2	-11.6	5.2
1.93	54.7	-77.4	-12.3	-11.5	5.7
2.01	54.7	-77.7	-12.2	-11.5	5.4
2.10	54.7	-77.3	-12.2	-11.5	5.9
2.18	54.7	-77.4	-12.2	-11.5	3.2

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
2.27	54.7	-77.7	-12.2	-11.5	3.5
2.36	54.7	-77.9	-12.2	-11.5	4.4
2.45	54.7	-77.7	-12.2	-11.5	3.7
2.54	54.6	-77.5	-12.2	-11.5	4.9
2.63	54.6	-77.9	-12.2	-11.5	3.2
2.72	54.6	-77.2	-12.2	-11.4	3.0
2.82	54.6	-77.2	-12.2	-11.4	3.0
2.95	54.6	-77.5	-12.2	-11.4	2.4
3.07	54.6	-77.6	-12.2	-11.4	1.6
3.19	54.6	-77.0	-12.2	-11.4	3.4
3.32	54.6	-77.0	-12.2	-11.4	3.4
3.44	54.6	-77.3	-12.1	-11.4	2.1
3.56	54.6	-77.5	-12.1	-11.4	2.1
3.69	54.6	-77.4	-12.1	-11.4	2.1
3.83	54.6	-77.5	-12.1	-11.4	2.0
3.99	54.6	-77.7	-12.1	-11.4	2.2
4.16	54.6	-77.3	-12.1	-11.4	2.8
4.33	54.6	-76.9	-12.1	-11.4	2.3
4.49	54.6	-77.3	-12.2	-11.4	1.0
4.66	54.6	-77.1	-12.2	-11.4	1.2
4.83	54.6	-76.6	-12.2	-11.3	1.9
4.99	54.6	-76.7	-12.2	-11.3	1.9
5.19	54.6	-76.7	-12.1	-11.3	1.5
5.42	54.6	-76.6	-12.1	-11.3	1.2
5.65	54.6	-75.9	-12.1	-11.3	1.5
5.88	54.6	-76.1	-12.1	-11.3	0.6
6.11	54.6	-76.4	-12.1	-11.3	2.1
6.34	54.6	-76.2	-12.1	-11.3	2.1
6.57	54.7	-76.2	-12.1	-11.3	2.0
6.80	54.7	-75.9	-12.1	-11.3	1.5
7.03	54.7	-75.8	-12.1	-11.3	1.3
7.30	54.7	-75.8	-12.1	-11.3	1.7
7.62	54.7	-76.0	-12.1	-11.3	1.9
7.94	54.7	-76.2	-12.1	-11.3	1.9
8.26	54.7	-76.0	-12.1	-11.3	1.7
8.58	54.7	-75.7	-12.1	-11.3	1.6
8.89	54.7	-75.7	-12.1	-11.3	1.6
9.21	54.7	-75.6	-12.1	-11.3	1.5
9.53	54.7	-76.1	-12.1	-11.3	2.0
9.90	54.7	-76.3	-12.1	-11.3	1.7
10.3	54.7	-76.1	-12.1	-11.3	1.4
10.8	54.7	-76.4	-12.2	-11.3	1.6
11.2	54.7	-77.0	-12.2	-11.3	1.3
11.7	54.7	-77.2	-12.2	-11.3	1.6
12.1	54.7	-77.4	-12.2	-11.3	1.6
12.5	54.7	-77.8	-12.2	-11.3	1.5
13.0	54.7	-78.2	-12.2	-11.3	1.5
13.4	54.7	-78.0	-12.2	-11.3	1.2
13.9	54.7	-78.4	-12.2	-11.3	1.6
14.5	54.7	-79.1	-12.2	-11.3	1.4
15.1	54.7	-78.8	-12.2	-11.3	1.4
15.8	54.7	-78.3	-12.2	-11.3	1.5
16.4	54.7	-78.4	-12.2	-11.3	1.5

AU-3A-0150 & AU-1027

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
17.0	54.7	-78.4	-12.2	-11.3	1.5
17.6	54.6	-78.2	-12.2	-11.3	1.5
18.2	54.6	-78.1	-12.2	-11.3	1.3
18.9	54.6	-78.1	-12.2	-11.3	1.4
19.7	54.6	-77.3	-12.2	-11.3	1.4
20.5	54.6	-76.5	-12.2	-11.3	1.5
21.4	54.6	-76.8	-12.2	-11.3	1.4
22.2	54.6	-76.9	-12.2	-11.3	1.4
23.0	54.6	-76.4	-12.2	-11.3	1.4
23.8	54.6	-76.0	-12.2	-11.3	1.4
24.6	54.7	-75.7	-12.2	-11.3	1.3
25.6	54.7	-75.3	-12.3	-11.3	1.5
26.7	54.7	-75.5	-12.3	-11.3	1.4
27.9	54.7	-76.0	-12.3	-11.3	1.4
29.0	54.7	-75.8	-12.3	-11.3	1.4
30.1	54.7	-75.4	-12.3	-11.3	1.5
31.3	54.7	-75.1	-12.3	-11.3	1.5
32.4	54.7	-75.7	-12.4	-11.2	1.4
33.6	54.7	-75.8	-12.4	-11.2	1.4
34.7	54.7	-75.4	-12.4	-11.2	1.3
36.0	54.6	-75.6	-12.4	-11.2	1.4
37.6	54.6	-74.9	-12.5	-11.2	1.5
39.2	54.6	-75.3	-12.5	-11.2	1.3
40.7	54.6	-75.7	-12.5	-11.2	1.5
42.3	54.6	-75.9	-12.5	-11.2	1.2
43.9	54.6	-75.9	-12.6	-11.2	1.4
45.5	54.6	-75.3	-12.6	-11.2	1.4
47.0	54.6	-75.5	-12.6	-11.2	1.4
48.8	54.6	-76.2	-12.7	-11.2	1.4
51.0	54.6	-76.5	-12.7	-11.2	1.4
53.1	54.6	-76.6	-12.8	-11.3	1.4
55.2	54.6	-76.2	-12.8	-11.3	1.5
57.4	54.6	-75.8	-12.9	-11.3	1.3
59.5	54.6	-75.7	-12.9	-11.3	1.5
61.6	54.6	-76.6	-13.0	-11.3	1.3
63.7	54.6	-76.4	-13.1	-11.3	1.3
66.2	54.6	-76.9	-13.1	-11.3	1.4
69.1	54.6	-77.1	-13.2	-11.3	1.4
72.1	54.6	-76.4	-13.3	-11.4	1.4
75.0	54.6	-76.8	-13.4	-11.4	1.3
78.0	54.7	-76.3	-13.4	-11.4	1.4
80.9	54.7	-76.8	-13.5	-11.4	1.4
83.8	54.7	-76.7	-13.6	-11.4	1.4
86.8	54.7	-75.7	-13.7	-11.4	1.4
89.7	54.7	-76.3	-13.8	-11.5	1.4
93.2	54.7	-75.9	-13.9	-11.5	1.4
97.3	54.7	-75.5	-14.1	-11.5	1.4
101	54.7	-75.7	-14.2	-11.6	1.4
105	54.7	-75.8	-14.3	-11.6	1.4
109	54.7	-75.8	-14.4	-11.7	1.4
113	54.7	-75.3	-14.6	-11.7	1.4
118	54.8	-75.4	-14.7	-11.8	1.4
122	54.8	-75.5	-14.9	-11.8	1.4

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
126	54.8	-75.2	-15.0	-11.9	1.4
132	54.8	-75.0	-15.2	-12.0	1.4
138	54.8	-74.7	-15.3	-12.0	1.4
143	54.8	-74.7	-15.4	-12.1	1.4
149	54.8	-74.8	-15.6	-12.1	1.5
154	54.8	-75.2	-15.7	-12.2	1.4
160	54.8	-75.1	-15.9	-12.2	1.4
166	54.9	-75.2	-16.0	-12.3	1.5
171	54.9	-75.3	-16.2	-12.4	1.4
178	54.9	-75.3	-16.3	-12.4	1.4
186	54.9	-75.3	-16.4	-12.5	1.4
193	54.9	-75.6	-16.6	-12.6	1.4
201	54.9	-76.1	-16.8	-12.7	1.4
209	54.9	-76.0	-17.0	-12.8	1.4
217	54.9	-75.8	-17.1	-12.9	1.4
224	55.0	-75.7	-17.3	-13.0	1.4
232	55.0	-75.5	-17.5	-13.2	1.5
241	55.0	-75.3	-17.6	-13.3	1.5
251	55.0	-75.2	-17.7	-13.4	1.5
262	55.0	-75.4	-17.9	-13.6	1.5
272	55.0	-74.9	-18.0	-13.8	1.5
283	55.0	-74.2	-18.1	-13.9	1.5
293	55.0	-73.9	-18.1	-14.1	1.5
304	55.0	-73.6	-18.2	-14.3	1.5
314	55.0	-73.9	-18.2	-14.6	1.5
327	55.0	-73.9	-18.2	-14.9	1.5
341	55.0	-74.0	-18.1	-15.2	1.5
356	55.0	-73.9	-18.0	-15.6	1.5
370	55.0	-73.6	-17.9	-16.0	1.5
385	55.0	-73.6	-17.8	-16.4	1.5
399	55.0	-74.1	-17.6	-16.8	1.5
414	55.0	-74.1	-17.3	-17.3	1.5
428	55.0	-74.1	-17.0	-17.8	1.5
443	55.0	-73.9	-16.6	-18.5	1.5
460	55.0	-73.9	-16.1	-19.4	1.5
480	55.0	-74.3	-15.6	-20.3	1.5
500	55.0	-74.4	-15.0	-21.1	1.6
520	55.0	-74.6	-14.3	-21.7	1.6
540	55.0	-74.5	-13.6	-22.7	1.6
560	55.0	-75.3	-12.9	-23.8	1.6
580	55.0	-76.0	-12.1	-24.3	1.6
600	55.0	-75.6	-11.1	-23.2	1.7