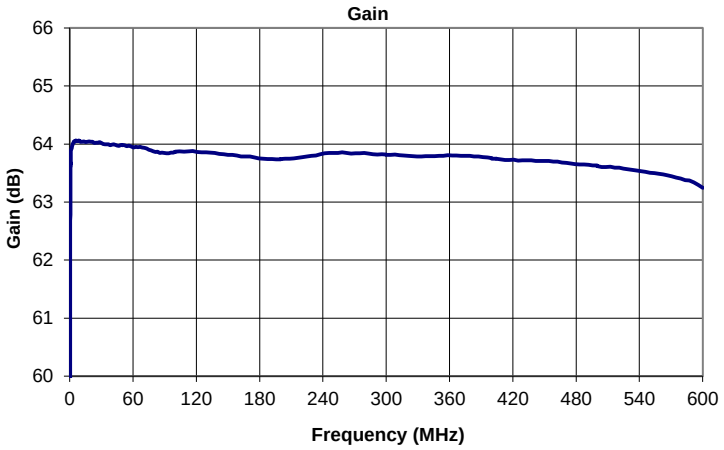
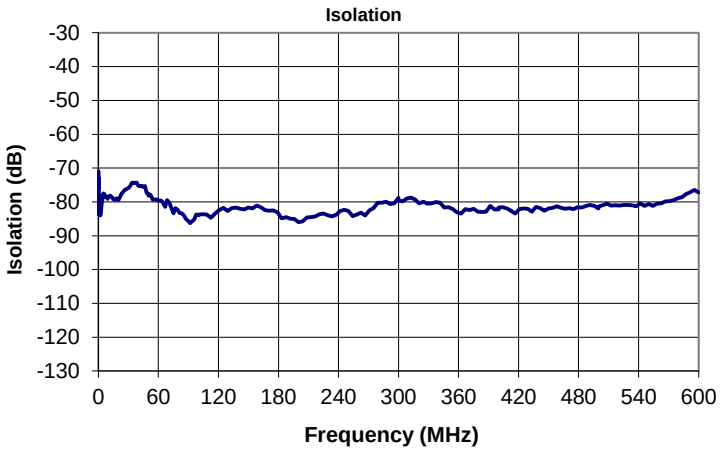
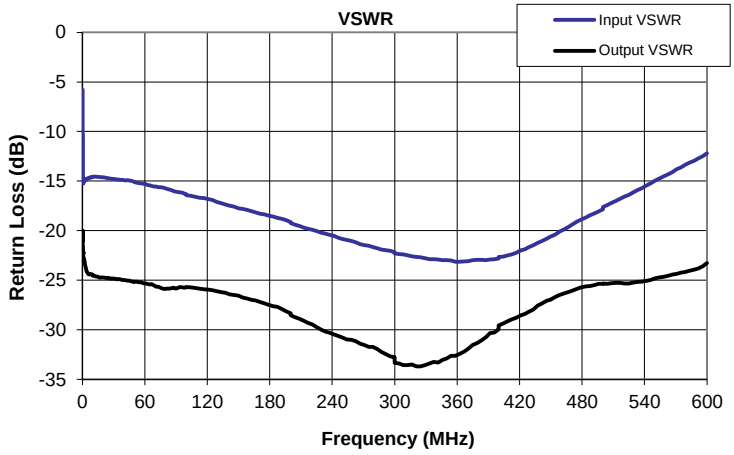
AU-1684

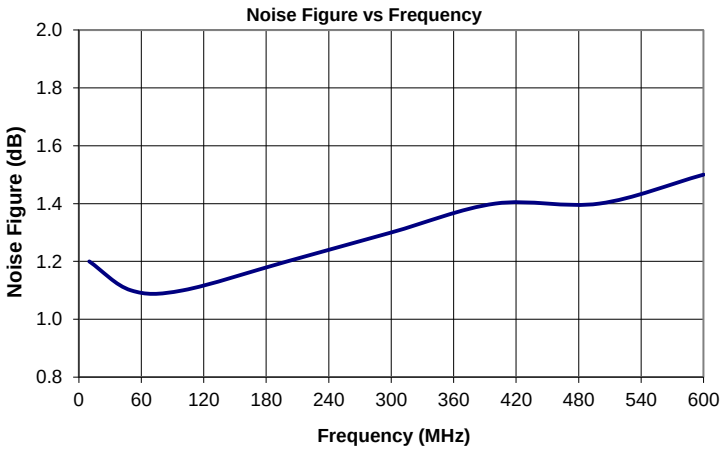
Features

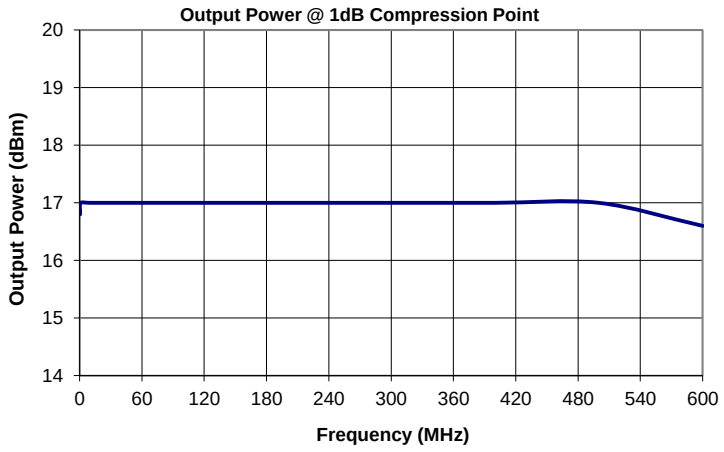
- 3-Year Warranty
- Low Noise Figure
- Very Flat Gain Response
- 7.0 µSec Typ. Recovery Time
- Internally regulated to +9V
- Reverse voltage protected
- Input Limiter Protected











MITEQ

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AU-1684

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
0.30	59.8	-70.9	-5.8	-21.1	814.5
0.31	60.2	-75.2	-6.4	-20.0	701.1
0.33	60.5	-73.0	-6.9	-20.0	563.8
0.34	60.8	-75.0	-7.4	-20.3	591.0
0.36	61.0	-75.2	-7.9	-20.6	586.8
0.37	61.2	-74.6	-8.4	-20.7	538.1
0.39	61.5	-74.7	-8.8	-20.7	503.0
0.40	61.7	-74.6	-9.3	-21.0	478.1
0.41	61.9	-74.0	-9.7	-21.2	452.5
0.43	62.0	-74.3	-10.1	-21.4	394.5
0.44	62.2	-75.7	-10.4	-21.5	434.1
0.46	62.3	-75.5	-10.7	-21.7	354.0
0.47	62.4	-75.0	-11.1	-21.8	375.2
0.49	62.5	-74.4	-11.4	-21.9	325.9
0.50	62.6	-76.6	-11.7	-22.0	301.4
0.51	62.7	-77.4	-12.0	-22.1	277.6
0.53	62.8	-78.4	-12.2	-22.0	288.4
0.54	62.9	-80.1	-12.5	-22.1	265.0
0.56	62.9	-80.8	-12.8	-22.1	228.0
0.57	63.0	-81.4	-13.0	-22.1	249.2
0.59	63.0	-81.2	-13.2	-22.1	238.1
0.60	63.1	-80.4	-13.4	-22.2	231.1
0.61	63.2	-81.3	-13.6	-22.1	235.3
0.63	63.2	-82.3	-13.8	-22.1	197.6
0.64	63.3	-83.1	-14.0	-22.1	200.0
0.66	63.3	-82.2	-14.1	-22.2	193.6
0.67	63.3	-82.8	-14.2	-22.2	191.4
0.69	63.4	-82.1	-14.3	-22.2	177.1
0.70	63.4	-80.8	-14.4	-22.3	176.7
0.71	63.4	-80.2	-14.5	-22.4	184.0
0.73	63.5	-80.1	-14.6	-22.4	148.9
0.74	63.5	-80.4	-14.6	-22.4	143.8
0.76	63.5	-81.0	-14.7	-22.3	146.8
0.77	63.6	-80.8	-14.8	-22.4	131.5
0.79	63.6	-80.2	-14.9	-22.4	136.1
0.80	63.6	-79.4	-14.9	-22.3	130.0
0.81	63.6	-78.7	-15.0	-22.3	133.9
0.83	63.6	-78.9	-15.0	-22.3	119.4
0.84	63.6	-79.6	-15.1	-22.2	116.1
0.86	63.7	-80.4	-15.1	-22.2	100.6
0.87	63.7	-80.5	-15.2	-22.2	101.5
0.89	63.7	-80.3	-15.2	-22.2	105.7
0.90	63.7	-80.5	-15.2	-22.2	125.9
0.91	63.7	-80.7	-15.2	-22.1	96.5
0.93	63.7	-81.0	-15.2	-22.2	110.8
0.94	63.7	-81.5	-15.2	-22.2	97.1
0.96	63.8	-83.0	-15.2	-22.2	91.2
0.97	63.8	-83.4	-15.2	-22.3	81.7
0.99	63.8	-83.9	-15.2	-22.4	85.8
1.00	63.9	-83.3	-15.1	-22.6	74.9
1.00	63.9	-83.1	-15.1	-22.7	76.2
1.4	63.9	-83.9	-15.0	-22.8	56.4
1.8	63.9	-84.0	-15.0	-22.9	49.2
2.1	64.0	-84.0	-14.9	-23.1	29.7
2.5	64.0	-83.6	-14.9	-23.3	33.6
2.9	64.0	-82.2	-14.9	-23.5	16.7
3.3	64.0	-81.1	-14.9	-23.7	17.5
3.6	64.0	-79.8	-14.8	-23.9	12.3
4.0	64.0	-79.3	-14.8	-24.1	9.0
4.4	64.0	-78.0	-14.8	-24.1	7.0
4.8	64.0	-78.2	-14.7	-24.2	6.8
5.1	64.1	-77.5	-14.7	-24.3	5.3
5.5	64.1	-77.6	-14.7	-24.3	5.2
5.9	64.1	-77.7	-14.7	-24.4	4.9
6.3	64.1	-78.1	-14.7	-24.4	4.3
6.6	64.0	-78.2	-14.7	-24.4	3.9
7.0	64.1	-78.4	-14.6	-24.4	3.9
7.4	64.1	-78.5	-14.6	-24.4	3.1
7.8	64.1	-78.6	-14.6	-24.4	3.4
8.1	64.1	-78.7	-14.6	-24.4	3.0
8.5	64.1	-78.5	-14.6	-24.4	2.8
8.9	64.1	-78.5	-14.6	-24.4	1.6
9.3	64.1	-79.1	-14.6	-24.4	2.2
9.6	64.0	-78.8	-14.6	-24.5	2.0
10.0	64.0	-78.7	-14.6	-24.5	1.8
10.0	64.0	-78.3	-14.6	-24.6	1.5
11.7	64.0	-78.2	-14.6	-24.6	1.7
13.3	64.0	-78.5	-14.5	-24.6	1.0
15.0	64.0	-79.2	-14.6	-24.7	1.3
16.7	64.0	-79.4	-14.6	-24.7	1.5
18.3	64.0	-78.9	-14.6	-24.7	1.7
20.0	64.0	-79.5	-14.6	-24.7	1.7
21.7	64.0	-78.5	-14.6	-24.8	1.9
23.3	64.0	-77.5	-14.7	-24.8	1.7
25.0	64.0	-77.1	-14.7	-24.8	1.7
26.7	64.0	-76.4	-14.7	-24.9	1.7
28.3	64.0	-76.2	-14.8	-24.8	1.8
30.0	64.0	-75.9	-14.8	-24.9	1.5
31.7	64.0	-75.4	-14.8	-24.9	1.7
33.3	64.0	-74.4	-14.8	-24.9	1.5
35.0	64.0	-74.3	-14.9	-24.9	1.4
36.7	64.0	-74.5	-14.9	-24.9	1.5
38.3	64.0	-74.3	-14.9	-25.0	1.6
40.0	64.0	-75.3	-14.9	-25.0	1.5
41.7	64.0	-75.4	-14.9	-25.0	1.4
43.3	64.0	-75.2	-14.9	-25.0	1.2
45.0	64.0	-75.6	-14.9	-25.0	1.2
46.7	64.0	-75.3	-15.0	-25.1	1.1
48.3	64.0	-77.3	-15.0	-25.1	1.2
50.0	64.0	-77.6	-15.1	-25.1	1.1
50.0	64.0	-78.1	-15.1	-25.2	1.3
52.1	64.0	-77.9	-15.2	-25.1	1.2
54.2	64.0	-79.3	-15.2	-25.2	1.2
56.3	64.0	-79.3	-15.2	-25.2	1.2
58.3	64.0	-79.3	-15.3	-25.3	1.0
60.4	63.9	-79.7	-15.3	-25.3	1.4
62.5	63.9	-79.6	-15.4	-25.4	1.6
64.6	63.9	-80.2	-15.4	-25.4	1.5
66.7	64.0	-81.5	-15.5	-25.4	1.5

68.8	63.9	-79.5	-15.5	-25.5	1.5
70.8	63.9	-80.2	-15.6	-25.6	1.6
72.9	63.9	-81.6	-15.6	-25.7	1.6
75.0	63.9	-83.4	-15.6	-25.8	1.6
77.1	63.9	-81.9	-15.7	-25.8	1.4
79.2	63.9	-82.3	-15.7	-25.9	1.4
81.3	63.9	-83.3	-15.8	-25.9	1.7
83.3	63.9	-83.4	-15.8	-25.8	1.4
85.4	63.8	-83.9	-15.9	-25.8	1.4
87.5	63.8	-85.1	-16.0	-25.7	1.6
89.6	63.8	-85.5	-16.1	-25.9	1.5
91.7	63.8	-86.3	-16.1	-25.8	1.4
93.8	63.8	-85.7	-16.1	-25.7	1.3
95.8	63.9	-85.2	-16.2	-25.7	1.3
97.9	63.9	-83.7	-16.3	-25.7	1.4
100.0	63.9	-83.9	-16.3	-25.7	1.5
100.0	63.9	-83.8	-16.4	-25.7	1.4
104.2	63.9	-83.7	-16.5	-25.7	1.3
108.3	63.9	-83.8	-16.6	-25.8	1.4
112.5	63.9	-84.7	-16.7	-25.9	1.4
116.7	63.9	-83.5	-16.7	-25.9	1.3
120.8	63.9	-82.4	-16.8	-25.9	1.4
125.0	63.9	-81.8	-16.9	-26.0	1.6
129.2	63.9	-82.7	-17.1	-26.1	1.5
133.3	63.9	-81.9	-17.2	-26.2	1.5
137.5	63.8	-81.7	-17.3	-26.3	1.5
141.7	63.8	-82.0	-17.5	-26.4	1.5
145.8	63.8	-82.2	-17.6	-26.5	1.6
150.0	63.8	-81.7	-17.7	-26.5	1.5
154.2	63.8	-81.9	-17.8	-26.7	1.5
158.3	63.8	-81.1	-17.9	-26.9	1.5
162.5	63.8	-81.5	-18.0	-27.0	1.5
166.7	63.8	-82.4	-18.2	-27.0	1.5
170.8	63.8	-82.6	-18.3	-27.2	1.5
175.0	63.8	-82.5	-18.3	-27.3	1.5
179.2	63.8	-83.1	-18.5	-27.5	1.5
183.3	63.7	-84.8	-18.6	-27.6	1.4
187.5	63.7	-84.5	-18.7	-27.7	1.3
191.7	63.7	-85.0	-18.8	-27.9	1.3
195.8	63.7	-85.1	-18.9	-28.1	1.3
200.0	63.7	-86.0	-19.1	-28.3	1.3
200.0	63.7	-86.0	-19.2	-28.5	1.3
204.2	63.7	-85.8	-19.4	-28.7	1.3
208.3	63.7	-84.6	-19.5	-28.9	1.4
212.5	63.7	-84.5	-19.7	-29.1	1.3
216.7	63.8	-84.3	-19.8	-29.3	1.4
220.8	63.8	-83.7	-19.9	-29.4	1.4
225.0	63.8	-83.4	-20.0	-29.7	1.5
229.2	63.8	-84.0	-20.2	-30.0	1.5
233.3	63.8	-84.3	-20.3	-30.2	1.5
237.5	63.8	-83.9	-20.4	-30.3	1.6
241.7	63.8	-82.7	-20.5	-30.5	1.6
245.8	63.8	-82.3	-20.7	-30.6	1.5
250.0	63.8	-82.7	-20.9	-30.8	1.5
254.2	63.8	-84.2	-20.9	-31.0	1.6
258.3	63.9	-83.7	-21.0	-31.0	1.6
262.5	63.8	-83.1	-21.2	-31.1	1.5
266.7	63.8	-84.0	-21.4	-31.4	1.5
270.8	63.8	-82.5	-21.5	-31.5	1.6
275.0	63.8	-81.8	-21.5	-31.7	1.6
279.2	63.8	-80.2	-21.6	-31.7	1.6
283.3	63.8	-80.3	-21.8	-32.0	1.5
287.5	63.8	-79.9	-21.9	-32.2	1.4
291.7	63.8	-80.6	-22.0	-32.4	1.4
295.8	63.8	-80.5	-22.0	-32.7	1.4
300.0	63.8	-78.8	-22.2	-32.8	1.3
300.0	63.8	-79.6	-22.3	-33.3	1.4
304.2	63.8	-79.9	-22.4	-33.4	1.4
308.3	63.8	-79.0	-22.4	-33.6	1.4
312.5	63.8	-78.8	-22.5	-33.6	1.4
316.7	63.8	-79.3	-22.6	-33.5	1.4
320.8	63.8	-80.4	-22.6	-33.7	1.4
325.0	63.8	-80.0	-22.7	-33.7	1.5
329.2	63.8	-80.5	-22.8	-33.6	1.6
333.3	63.8	-80.5	-22.9	-33.4	1.5
337.5	63.8	-80.1	-22.9	-33.2	1.6
341.7	63.8	-80.3	-22.9	-33.3	1.6
345.8	63.8	-81.7	-23.0	-33.0	1.6
350.0	63.8	-81.6	-23.0	-32.9	1.5
354.2	63.8	-82.2	-23.0	-32.6	1.5
358.3	63.8	-83.1	-23.1	-32.6	1.6
362.5	63.8	-83.4	-23.1	-32.4	1.6
366.7	63.8	-82.1	-23.1	-32.2	1.6
370.8	63.8	-82.4	-23.1	-31.9	1.7
375.0	63.8	-82.0	-23.0	-31.5	1.6
379.2	63.8	-82.9	-22.9	-31.3	1.6
383.3	63.8	-82.9	-22.9	-31.1	1.4
387.5	63.8	-82.9	-23.0	-30.8	1.4
391.7	63.8	-81.2	-22.9	-30.3	1.4
395.8	63.8	-82.2	-22.9	-30.3	1.5
400.0	63.8	-82.2	-22.8	-29.9	1.4
400.0	63.7	-81.7	-22.7	-29.6	1.4
404.2	63.7	-81.5	-22.6	-29.4	1.4
408.3	63.7	-81.9	-22.5	-29.2	1.4
412.5	63.7	-82.6	-22.4	-28.9	1.4
416.7	63.7	-83.4	-22.2	-28.8	1.4
420.8	63.7	-82.2	-22.0	-28.6	1.4
425.0	63.7	-82.0	-21.9	-28.4	1.6
429.2	63.7	-82.0	-21.7	-28.2	1.6
433.3	63.7	-82.9	-21.4	-27.9	1.6
437.5	63.7	-81.5	-21.2	-27.5	1.6
441.7	63.7	-81.8	-21.0	-27.3	1.6
445.8	63.7	-82.6	-20.8	-27.1	1.6
450.0	63.7	-82.0	-20.6	-27.0	1.7
454.2	63.7	-81.8	-20.4	-26.7	1.6
458.3	63.7	-81.3	-20.1	-26.5	1.6
462.5	63.7	-81.8	-19.9	-26.3	1.7
466.7	63.7	-82.0	-19.7	-26.2	1.7
470.8	63.7	-81.9	-19.4	-26.0	1.6
475.0	63.7	-82.2	-19.1	-25.9	1.7
479.2	63.7	-81.6	-18.9	-25.7	1.6
483.3	63.6	-81.7	-18.7	-25.6	1.6

487.5	63.6	-81.2	-18.5	-25.6	1.5
491.7	63.6	-80.9	-18.3	-25.5	1.5
495.8	63.6	-81.2	-18.1	-25.4	1.5
500.0	63.6	-82.0	-17.8	-25.3	1.5
500.0	63.6	-81.4	-17.6	-25.3	1.5
504.2	63.6	-81.0	-17.4	-25.4	1.5
508.3	63.6	-80.6	-17.2	-25.3	1.5
512.5	63.6	-81.1	-17.0	-25.3	1.5
516.7	63.6	-81.0	-16.8	-25.2	1.5
520.8	63.6	-81.1	-16.6	-25.3	1.5
525.0	63.6	-80.9	-16.4	-25.3	1.6
529.2	63.6	-80.9	-16.1	-25.2	1.7
533.3	63.6	-81.0	-15.9	-25.2	1.7
537.5	63.5	-81.3	-15.7	-25.1	1.7
541.7	63.5	-80.5	-15.5	-25.1	1.7
545.8	63.5	-81.1	-15.2	-25.0	1.7
550.0	63.5	-80.6	-15.0	-24.8	1.7
554.2	63.5	-81.2	-14.8	-24.7	1.7
558.3	63.5	-80.5	-14.5	-24.6	1.7
562.5	63.5	-80.4	-14.3	-24.6	1.7
566.7	63.5	-79.9	-14.1	-24.4	1.7
570.8	63.4	-79.8	-13.8	-24.4	1.8
575.0	63.4	-79.5	-13.6	-24.2	1.8
579.2	63.4	-78.9	-13.4	-24.2	1.7
583.3	63.4	-78.7	-13.1	-24.1	1.7
587.5	63.4	-77.7	-13.0	-23.9	1.7
591.7	63.3	-77.1	-12.7	-23.8	1.7
595.8	63.3	-76.5	-12.5	-23.6	1.6
600.0	63.2	-77.2	-12.2	-23.3	1.4