

**From:** noreply@designsoftware.com  
**Subject:** Updated Technical support [240717963D]  
**Date:** July 18, 2024 at 11:46 AM  
**To:** dbaker586@dlbaker.us

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Thank you for writing to DesignSoft's 24 hour a day technical support email system.

This is an automated response from DesignSoft Technical Support showing that we have received and logged your question or comment

You should be receiving a personal response by e-mail from one of our Technical Support Representatives shortly.

The history of your technical support question is as follows.

**Note**

**Sender** Don Baker

**Date** 2024-07-18 18:46:18

**Message** I'm disappointed.  
Most semiconductor circuits have nonlinearities. A sine curve is nonlinear, yet somehow college undergrads still manage to learn how to calculate RMS voltage.  
And that does not explain why a rectifier circuit with a low-pass filter, having a DC output with a very small ripple voltage should measure a DC voltage on the order of 500 mVDC should show as less than E-15 volt on your multimeter. Much less indicate an AC voltage of over 30 VAC in a circuit which has a source voltage of no more than 1 Vpp AC and a gain of no more than 2. I'll count that money as a waste and suggest to Texas Instruments that they should offer better software.

**Note**

**Sender** Tibor Horvath

**Date** 2024-07-18 18:16:30

**Message** I've received the TSC file, thank you. This is a nonlinear rectifier circuit, so you must simulate it in transient mode (oscilloscope) to get the correct result. The AC simulation - this is what the multimeter does - is linear, so you can't get a correct result with it.

**Note**

**Sender** Don Baker

**Date** 2024-07-18 18:13:35

**Message** I'm having trouble with the buttons on your web pages not working. When I Upload a file, it sends me to a page with no exit or return, so that I can't SEND the comment.

**Note**

**Sender** Don Baker

**Date** 2024-07-18 17:55:56

**Message** I tried uploading the TSC file here, twice. Your page stops and doesn't come back here to where I can click the SEND button. If I click SEND first, it asks me to Upload first. So I hope you got it, and my comment.

**Question or Problem**

**Program** TINA

**Category** Usage

**Title** simulation result

File	Simulation Result
Question/Problem	<p>I got it to work in CrossOver, as shown in the uploaded image file. But I don't have any confidence in your Multimeter. Can you see why? In this inefficient circuit for a "full wave rectifier" it finds a node with 38.8V AC.</p> <p>Can you fix this?</p>
Answer/Solution	<p>Could you please send the TSC file as well?</p> <p>Regards Tibor Horvath</p>
Additional file(s)	<p><a href="#">2024 Jul 18 Tina files.zip</a>  <a href="#">2024 Jul 18 20240717 prec_rectb.tsc</a>  -rw-r--r-- 1 dsg4t0r dsg4t0r 197586 Jul 17 15:32  tsattachments/240717963D/2024_Jul_17_Screenshot_20240717_at_3.28.05 <a href="#">PM.png</a></p>