

Electron.exe

1. Version 2.0 the “Electronic Calculation Program” is a Windows program that performs several RF and one amateur radio calculation. Version 1.0 of this program just calculated values to conjugately match a transistor using either S or Y parameters as described in “RF Circuit Design” by Chris Bowick. Version 2.0 still includes this function plus several other calculations using S or Y parameters from the same book. However, Smith chart plotting is still necessary.

Version 2.0 will also calculate Butterworth filter component values using either a known attenuation or number of circuit elements. Unfortunately, because of the complexity of the Chebyshev filter calculations, I did not include them in this version.

The Help window only includes help for the beam aiming program, because I received a new compiler before I finished and decided to quit there and start again using the new compiler. Sorry!

2. To install the program, copy it to a directory(i.e. c:\electron\); open Windows, and then open a program group that you wish to access this program from i.e. Applications, then select **File/New Program Item/OK**, enter a name at **Description:** i.e. RF Designer, and the path at **Command Line:** i.e. C:\electron\electron.exe, then select **OK**. You can then start the program like any other Windows program by selecting the Icon.

3. I haven't thoroughly tested this program for all possible inputs, I merely compared the results with that of the listed references. Anyone who has a suggestion for improvements or functions that you wish to see in future versions, can write me at:

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until April of 1996. Also if you find a bug or an error please let me know.

Thank you for downloading this program.