

Berne, July 2000

## Smith V1.91

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### Overview

The software is divided in two parts:

#### 1. Smith-Chart Diagram

Options:

- Matching ladder networks with capacitors, inductors, resistors, transformers, series lines and open or shorted stubs
- Free settable normalisation impedance for the Smith chart
- Circles and contours for stability, noise figure, gain, VSWR and Q
- Edit element values after insertion
- Import datapoints from S-parameter files
- Undo- und Redo-Function
- Save and load designs
- Print Smith chart, schematic and comments
- Copy to clipboard for documentation purposes
- Set colors for Smith chart

#### 2. S-Plot

Options:

- Read S-Parameter - Files in Touchstone® - Format
- Graphical display of  $s_{11}$ ,  $s_{12}$ ,  $s_{21}$  and  $s_{22}$
- Graphical display and listing of  $G_p$  max. (maximum operating power gain) and  $G_p$  max. stable (maximum stable gain MSG)
- Convert and export S-Parameter to normalized or unnormalized H-, Z-, Y- or A-Parameters in Touchstone® - Format files.
- Export  $s_{11}$  or  $s_{22}$  to Smith-Chart
- Print all graphics or listings

### System requirements:

Windows 95, 98, 2000, NT

### Licence

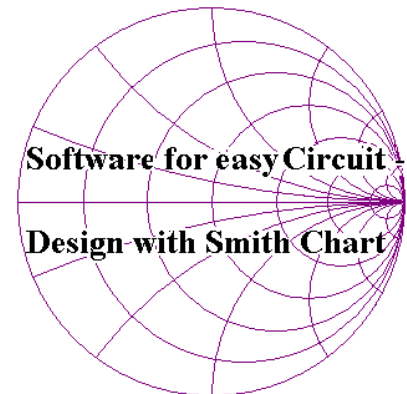
Without the file 'smith.key' (in the same directory as 'smith.exe') the application Smith will only work as a demoverision. The demoverision may be freely distributed. More information can be found in the about box.

The following function is disabled in the demoverision:

- Saving

Furthermore in the demoverision you can only use 5 datapoints.

The licensed version of Smith with the full capabilities of the program costs US\$ 100.-. If you like to get the licensed version please send a mail to:





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