

MatchBox

RF Impedance Matching Network Design and Analysis by TSV Engineering

MatchBox designs 18 of the most commonly used impedance matching networks. Circuit analysis of the network is provided along with a number of useful design utilities.

MatchBox designs these networks:

- L Network
- Pi Network
- Tee Network
- 4 Element Network
- Series Transmission Line
- Capacitive Tap
- Resistive Attenuator

MatchBox circuit analysis features:

- Up to 100 Frequencies
- Graphical or Tabular Output
- Built-In Component Library
- Circuit Editor – Up to 38 Circuit Elements

MatchBox utilities:

- Series to Parallel
- Polar to Rectangular
- S, Y, Z Parameter Conversion
- Microstrip Design
- Stripline Design
- Complex Number Calculator
- Z to Reflection Coefficient
- VSWR/Return Loss

MatchBox designs high pass and low pass implementations for the L network, and high pass, low pass, high/low pass, and low/high pass implementations for the Pi, Tee, and 4 element networks. The capacitive tap design allows for user specification of the matching inductor. The series transmission line design matches between any two arbitrary impedances and is not restricted to only quarter wave applications. Both Pi and Tee attenuators operating between any impedance levels may be designed.

MatchBox allows the matching network to be analyzed and the transmission/reflection parameters to be displayed in either a table or on a plot. The circuit editor allows the calculated parts values to be edited to standard values and allows for finite Q to be entered for accurately modeling inductors.

The utilities in **MatchBox** are those most commonly used in day-to-day impedance matching design work.

While **MatchBox** is menu-driven and easy to use, an extensive on-line help system is provided.

MatchBox is accurate. It has been used extensively in actual product design prior to being offered for sale.

MatchBox is affordable. Compare the price of **MatchBox** to other commercially available packages or to writing your own software - you will agree **MatchBox** is an excellent value.

System Requirements:

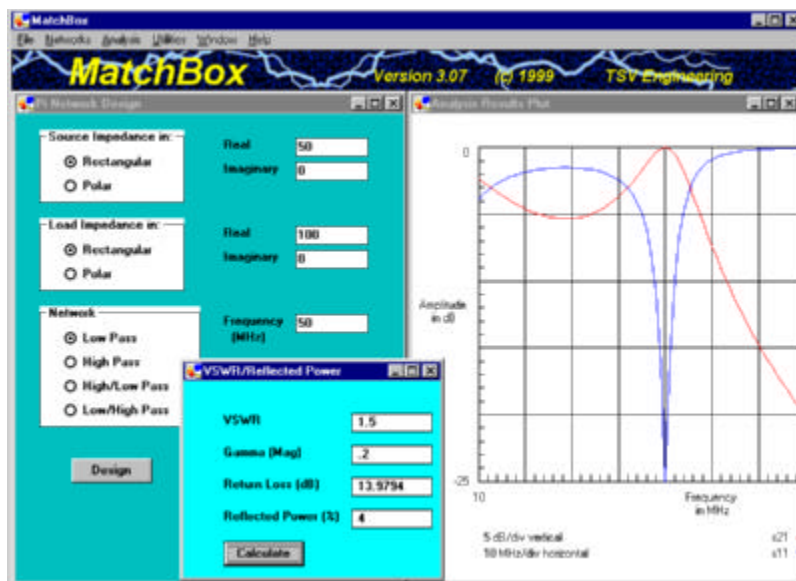
- Windows 95/98
- 800 x 600 or better screen resolution

Ordering Information:

Price: \$39.95
Shipping/Handling: \$4.00

To order, send check, money order, or company purchase order to:

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