

*Lecture 15: Impedance Matching Network*

What are the series to parallel transformation equations?

What is an expression for Q in a RC or RL system?

Draw the effect of an L-match on a Smith chart. Use the Smith chart to justify why an L can only transform up or down.

Is an L-match narrow or wide band?

How is the transformation ratio of an L match related to the Q?

Describe the effects of finite component Q on the loss of a matching network

Draw a pi and a T matching network

What is the resistance in the middle of of pi/T match called?