

MODELITHICS CLR LIBRARY FOR MWO

USING THE EXAMPLE_IND_PART_OPT_1 SCHEMATIC

The Example_IND_PART_OPT_1 circuit illustrates the use of discrete part value optimization in MWO using the IND_TKO_0805_001 model. Discrete optimization requires the creation of a vector array containing discrete part values (the L_val[] vector seen below) and a suitable optimization algorithm (such as Pointer – Robust Optimization).

Valid part values for the Modelithics Select version of the IND_TKO_0805_001 model:
 L_val={33,39,47,56,68,82,100,120,150,180,220,270,330,390,470,560,680}

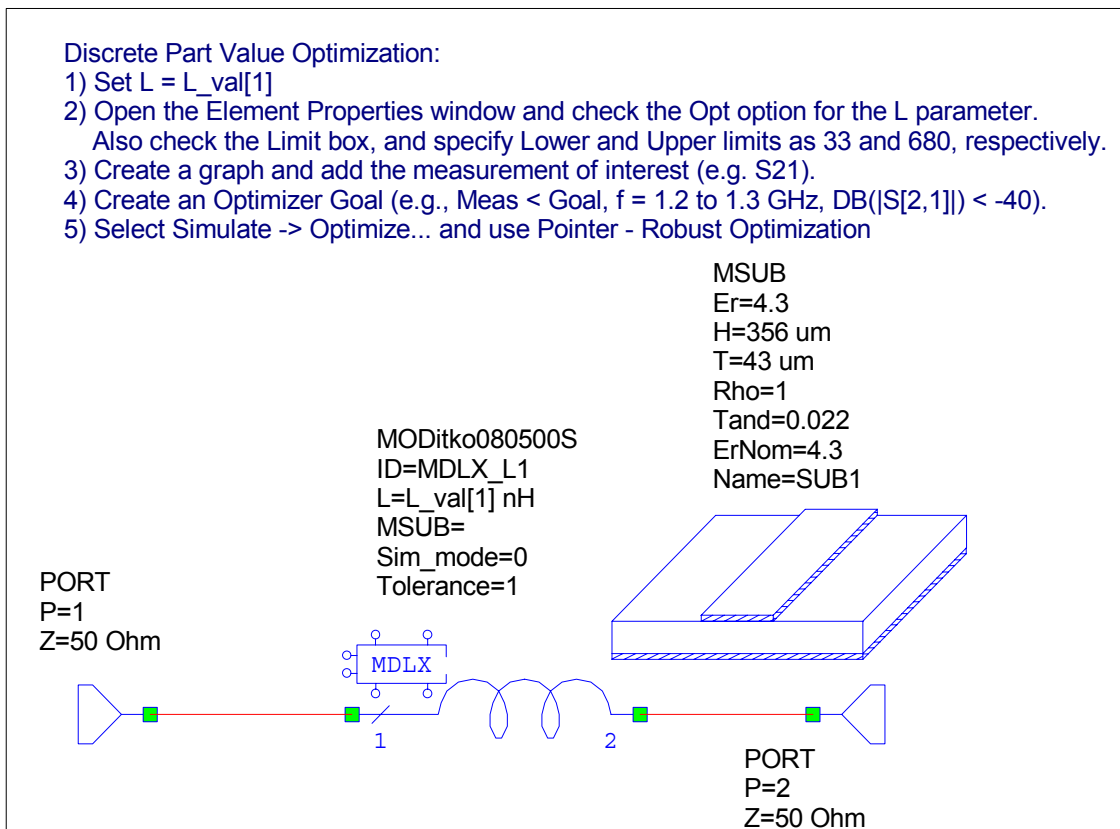


Figure 1 - Example circuit.

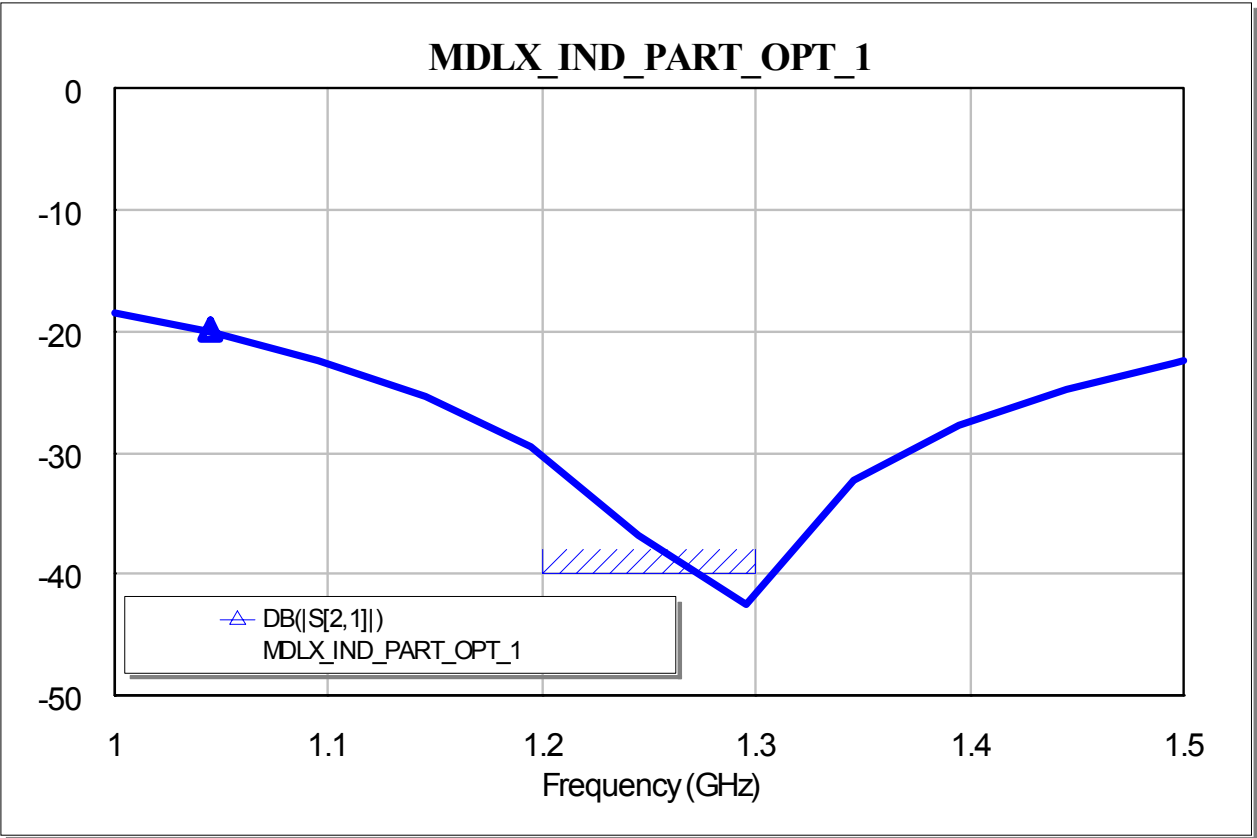


Figure 2 - Sample discrete part value optimization results.