

RF Impedance Matching Calculator

Calculates the network to match a line to a specific complex load.

Parameters

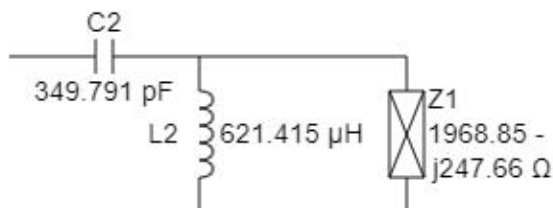
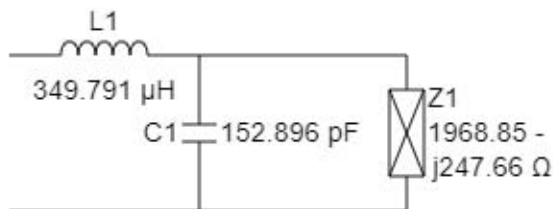
Characteristic Impedance: Ω ($0 < Z_0 \leq 1000$)
Frequency: MHz ($0 < F_0 \leq 20000$)
Output Match Type:
Input Type:
Parallel Resistance: Ω ($0 < R_p \leq 10000$)
Parallel Capacitance: pF ($0 < C_p \leq 1F$)

Your Inputs

Z_0 : 1000 Ω
 F_0 : 0.455 MHz
Output: Single-Ended
Input: Parallel Complex Load
 R_p : 2000 Ω
 C_p : 22 pF

Outputs

L1: 349.791 μH
C1: 152.896 pF
Z1: 1968.85 - j247.66 Ω
C2: 349.791 pF
L2: 621.415 μH



RF Impedance Matching Calculator

Calculates the network to match a line to a specific complex load.

Parameters

Characteristic Impedance: Ω ($0 < Z_0 \leq 1000$)
Frequency: MHz ($0 < F_0 \leq 20000$)
Output Match Type: \downarrow
Input Type: \downarrow
Parallel Resistance: Ω ($0 < R_P \leq 10000$)
Parallel Capacitance: pF ($0 < C_P \leq 1F$)

Your Inputs

Z_0 : 600 Ω
 F_0 : 0.455 MHz
Output: Single-Ended
Input: Parallel Complex Load
 R_P : 2000 Ω
 C_P : 22 pF

Outputs

L1: 320.589 μH
C1: 245.157 pF
Z1: 1968.85 - j247.66 Ω
C2: 381.653 pF
L2: 423.139 μH

