

# Impedance Matching Network Designer

(Now with 16 networks!)

Source Resistance: 1500

Source Reactance: 0

Load Resistance: 600

Load Reactance: 0

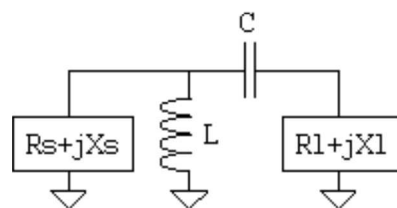
Desired Q: 3

Frequency: 4.9E6

Calculate

Please send comments and questions to [John Wetherell](mailto:wetherel@eecs.berkeley.edu) at [wetherel@eecs.berkeley.edu](mailto:wetherel@eecs.berkeley.edu)

HIGHPASS Hi-Low MATCHING NETWORK

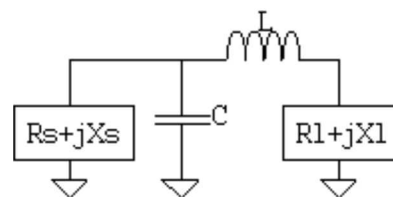


L Value: 39780.4 nH

C Value: 44.2004 pF

Q Value: 1.22474

LOWPASS Hi-Low MATCHING NETWORK

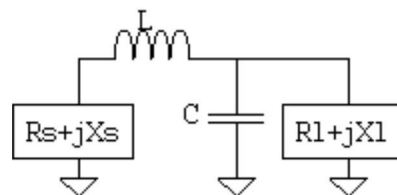


L Value: 23868.2 nH

C Value: 26.5202 pF

Q Value: 1.22474

LOWPASS Low-Hi MATCHING NETWORK

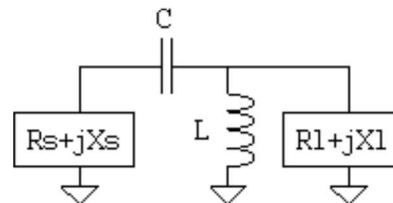


L Value: NaN nH

C Value: NaN pF

Q Value: NaN

HIGHPASS Low-Hi MATCHING NETWORK

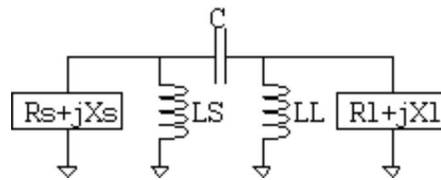


L Value: NaN nH

C Value: NaN pF

Q Value: NaN

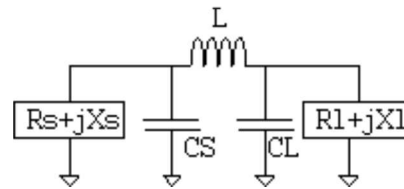
## HIGHPASS PI MATCHING NETWORK



C Value: 45.7597 pF

L<sub>S</sub> Value: 16240.3 nHL<sub>L</sub> Value: 11251.6 nH

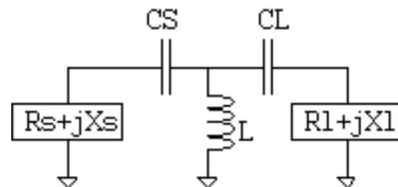
## LOWPASS PI MATCHING NETWORK



L Value: 23054.9 nH

C<sub>S</sub> Value: 64.9612 pFC<sub>L</sub> Value: 93.7634 pF

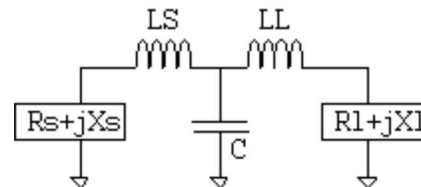
## HIGHPASS T MATCHING NETWORK



L Value: 41183.7 nH

C<sub>S</sub> Value: 12.5017 pFC<sub>L</sub> Value: 18.0447 pF

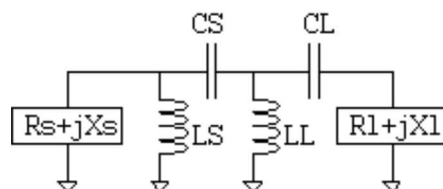
## LOWPASS T MATCHING NETWORK



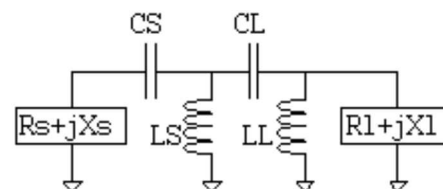
C Value: 25.6166 pF

L<sub>S</sub> Value: 84387.0 nHL<sub>L</sub> Value: 58465.0 nH

## HIGHPASS LL Hi-Low MATCHING NETWORK

L<sub>S</sub> Value: 63910.9 nHC<sub>S</sub> Value: 44.9120 pFC<sub>L</sub> Value: 71.0121 pF

## HIGHPASS LL Low-Hi MATCHING NETWORK

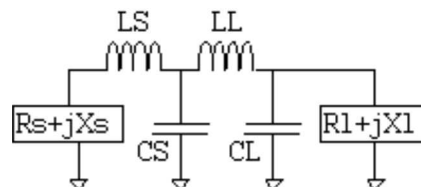
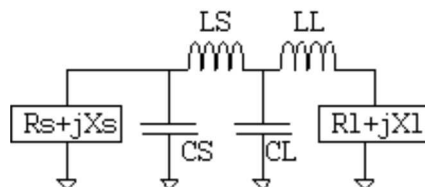
L<sub>S</sub> Value: NaN nHC<sub>S</sub> Value: NaN pFC<sub>L</sub> Value: NaN pF

LL Value: 40420.8 nH

LL Value: NaN nH

LOWPASS LL Hi-Low MATCHING NETWORK

LOWPASS LL Low-Hi MATCHING NETWORK



LS Value: 23490.1 nH

LS Value: NaN nH

CS Value: 16.5071 pF

CS Value: NaN pF

CL Value: 26.1001 pF

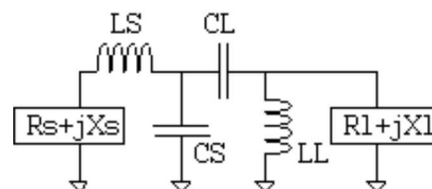
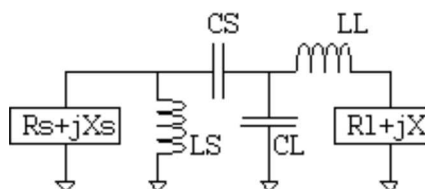
CL Value: NaN pF

LL Value: 14856.4 nH

LL Value: NaN nH

BANDPASS LL Hi-Low MATCHING NETWORK

BANDPASS LL Low-Hi MATCHING NETWORK



LS Value: 63910.9 nH

LS Value: NaN nH

CS Value: 44.9120 pF

CS Value: NaN pF

CL Value: 26.1001 pF

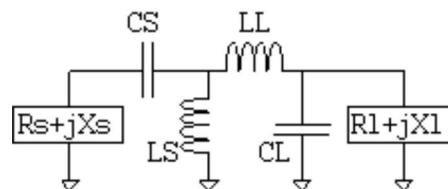
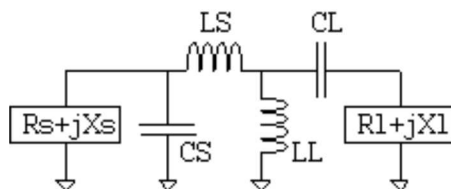
CL Value: NaN pF

LL Value: 14856.4 nH

LL Value: NaN nH

BANDPASS LL Hi-Low MATCHING NETWORK

BANDPASS LL Low-Hi MATCHING NETWORK



LS Value: 23490.1 nH

LS Value: NaN nH

CS Value: 16.5071 pF

CS Value: NaN pF

CL Value: 71.0121 pF

CL Value: NaN pF

LL Value: 40420.8 nH

LL Value: NaN nH

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