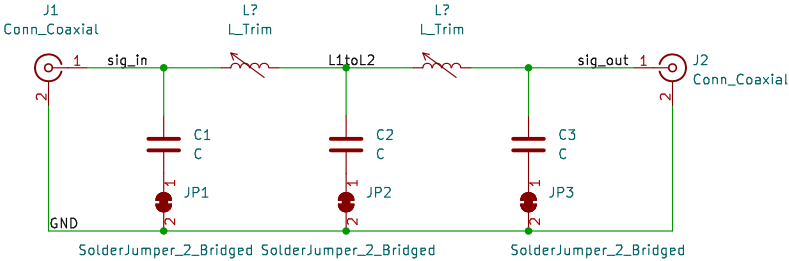


5th order Bessel Pi-network low-pass filter
5 MHz -3dB frequency = 31.4 rad/s
time constant = 31.8 ns => rise time = 68 ns
i/o impedance is 50 ohm

Normalized values for 1 rad/s 50 ohm
C1 = 0.1743 F
L1 = 0.5072 H
C2 = 0.8040 F
L2 = 1.1110 H
C3 = 2.2582 F
from Analog Filter & Circuit Design Handbook
by Arthur Williams

Scaled values for 31.4 rad/s and 50R:
C1 = 111p
L1 = 808n
C2 = 512p
L2 = 1u77
C3 = 1n44

Useful for trimming L's (from ideal values):
 $\sqrt{L1C1}$ = ? rad/s = ? Hz
 $\sqrt{L1C2}$ = ? rad/s = ? Hz
 $\sqrt{L2C2}$ = ? rad/s = ? Hz
 $\sqrt{L3C3}$ = ? rad/s = ? Hz



HugonLabs

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Title: Bessel Filter

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