

LC Filter Design Tool

[More info \(/lc-filter/description.htm\)](/lc-filter/description.htm)

Filter Properties

Response

Bandpass

Type

Chebyshev

Topology

Tubular

Order

5

Lower Cutoff Frequency

49

MHz

Upper Cutoff Frequency

55

MHz

Passband Ripple (dB)

0.10

Input Impedance (Ω)

50

Output Impedance (Ω)

50

Direct Coupled Inductor Value

110

nH

Additional Settings

Component Values

Standard

Capacitor Values

E24 (5% tolerance)

Min. Capacitor Value

1.00

pF

Inductor Values

E24 (5% tolerance)

Min. Inductor Value

1.00

nH

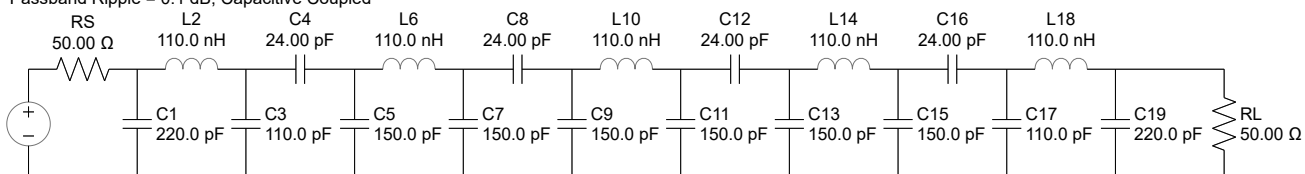
Compute

Reset (/lc-filter/)

5th Order Chebyshev Bandpass

Lower Cutoff Freq. = 49.00 MHz; Upper Cutoff Freq. = 55.00 MHz

Passband Ripple = 0.1 dB; Capacitive Coupled



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Insertion Loss and Return Loss

Phase and Group Delay

S-Parameters

Export •

