LC Filters Design Tool

More info (/lc-filter/description.html)

Filter Properties

Response
Bandpass

Type
Chebyshev

Topology
Conventional, Shunt First

Order
2

Lower Cutoff Frequency
400 | MHz ▾

Upper Cutoff Frequency
500 | MHz ▾

Passband Ripple (dB)
0.10

Input Impedance (Ω)
50

Output Impedance (Ω)
35.8

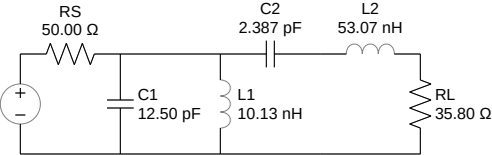### Additional Settings

Component Values
Exact

Compute

Reset (/lc-filter/)

2nd Order Modified Chebyshev Bandpass
Lower Cutoff Freq. = 400.0 MHz; Upper Cutoff Freq. = 500.0 MHz
Passband Ripple = 0.1 dB

RS
50.00 Ω

C2
2.387 pF

L2
53.07 nH

C1
12.50 pF

L1
10.13 nH

RL
35.80 Ω

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| Insertion Loss and Return Loss | Phase and Group Delay | S-Parameters |