LC Filters Design Tool

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

Hot

price drop

New

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)

0.1

Input Impedance (Ω)

56.3

Output Impedance (Ω)

50

Additional Settings

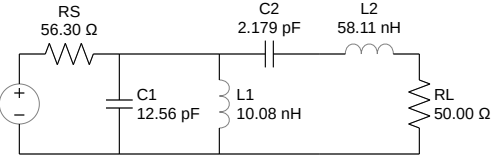**Component Values**

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
56.30 Ω

C2
2.179 pF

L2
58.11 nH

C1
12.56 pF

L1
10.08 nH

RL
50.00 Ω

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