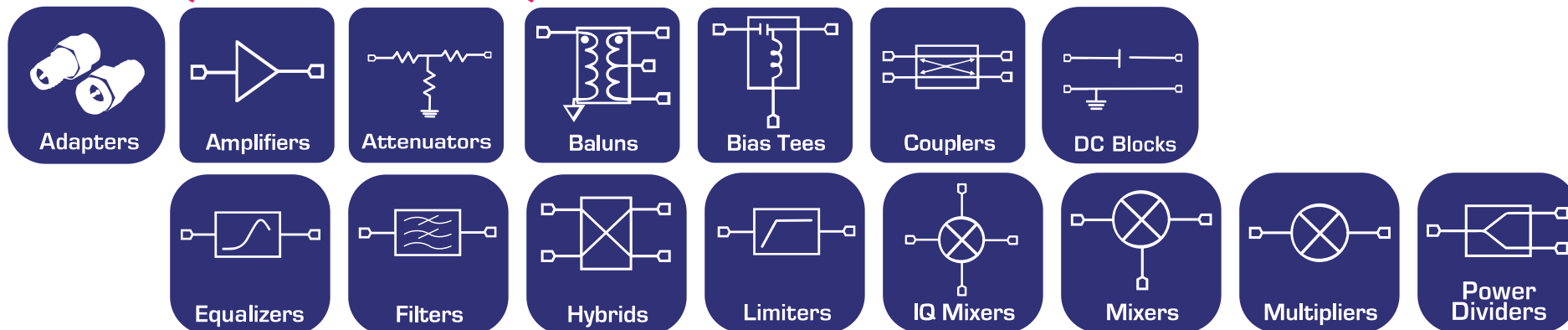


Bare Die, Surface Mount, Connectorized | DC-125GHz



Shattering Performance Barriers Since 1991

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LC Filter Design Tool

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

Filter Properties

Response

Lowpass

Type

Chebyshev

Topology

Shunt First

Order

9

Cutoff Frequency

12.5

MHz

Passband Ripple (dB)

0.10

Input Impedance (Ω)

50

Output Impedance (Ω)

50

Additional Settings

Component Values

Standard ▼

Capacitor Values

E96 (1% tolerance) ▼

Min. Capacitor Value

1.00

pF ▼

Inductor Values

E48 (2% tolerance) ▼

Min. Inductor Value

1.00

nH ▼

Compute

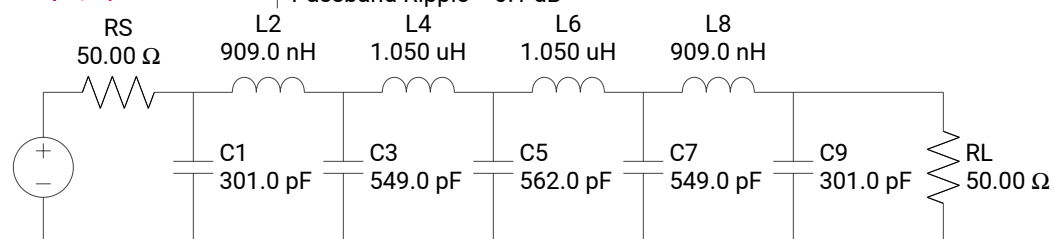
Reset (/lc-filter/)



9th Order Chebyshev Lowpass

Cutoff Frequency = 12.50 MHz

Passband Ripple = 0.1 dB



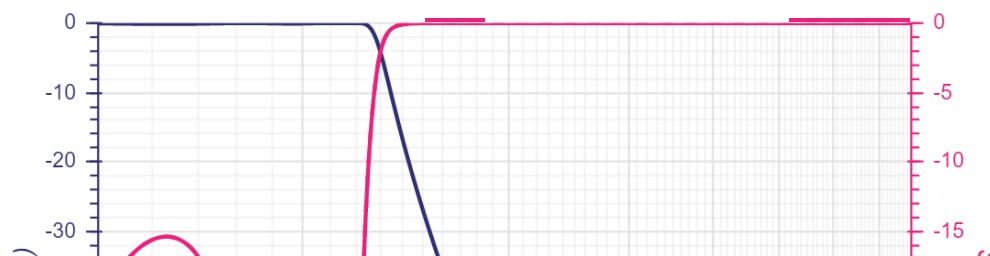
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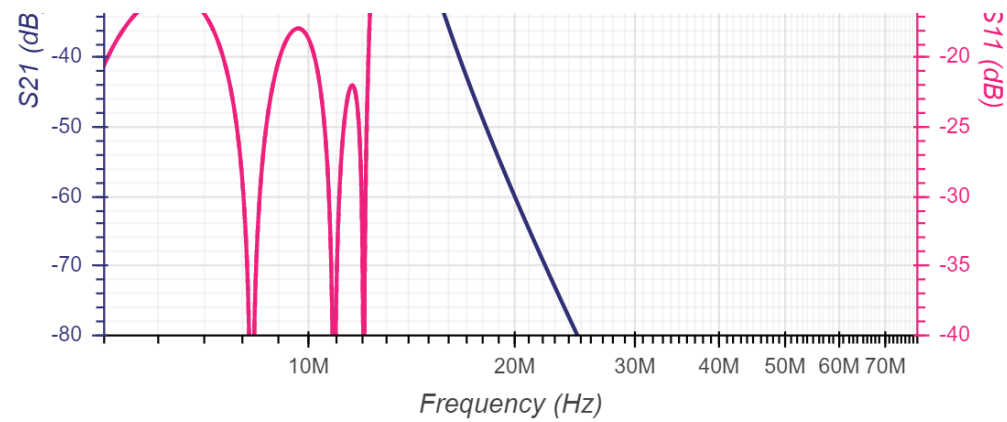
Insertion Loss and Return Loss

Phase and Group Delay

S-Parameters

Export





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