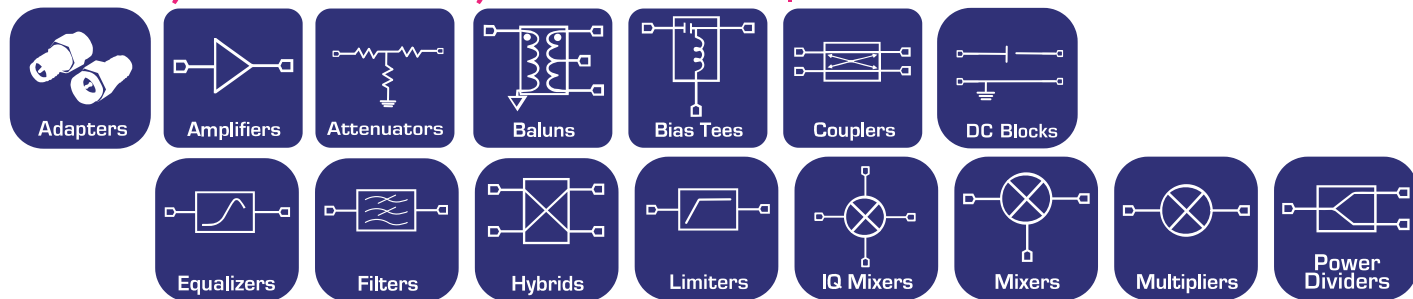


Bare Die, Surface Mount, Connectorized | DC-125GHz



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

Bandpass

Type

Butterworth

Topology

Direct-Coupled, Shunt Capacitor

Order

3

Lower Cutoff Frequency

9.5

MHz

Upper Cutoff Frequency

10.5

MHz

Input Impedance (Ω)

50

Output Impedance (Ω)

50

Direct Coupled Inductor Value

1.00

μ H

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

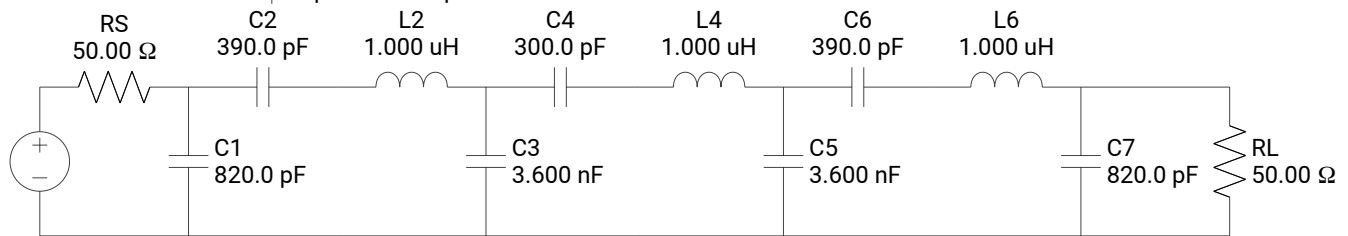
Reset (/lc-filter/)



3rd Order Butterworth Bandpass

Lower Cutoff Freq. = 9.500 MHz; Upper Cutoff Freq. = 10.50 MHz

Capacitive Coupled



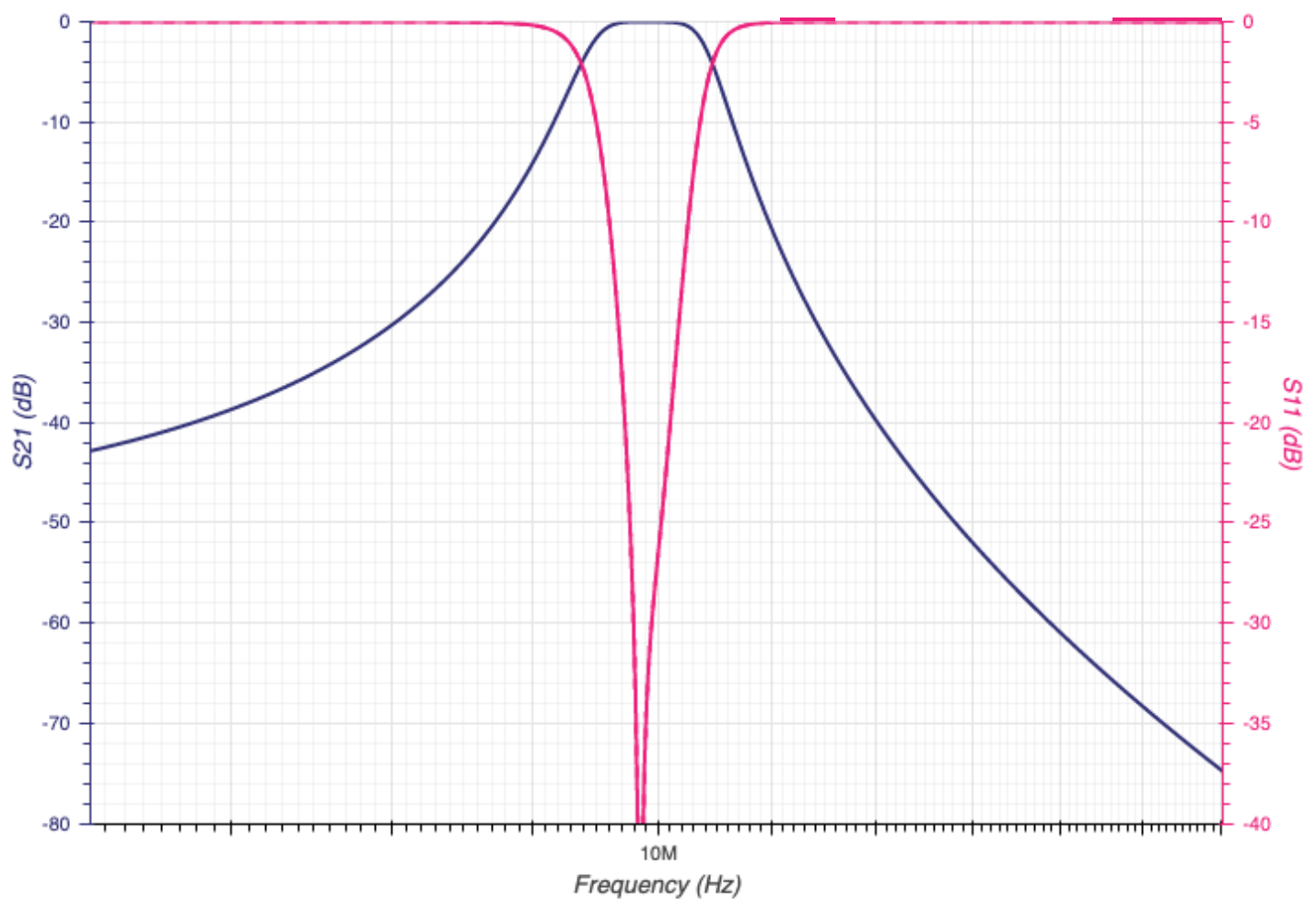
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Insertion Loss and Return Loss

Phase and Group Delay

S-Parameters

Export



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