

A screenshot of a computer

Description automatically generated

1. Solution 1: Inductor value = 9.42275 nH and Capacitor value = 58.55138 fF

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1. Solution 2: Inductor value = 7.10471 nH and Capacitor value = 297.98942 fF

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1. Solution 1: Inductor value = 6.89243 nH and Capacitor value = 1.0679 pF

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(b) Solution 2: Series Inductor = 2.64824 nH and Shunt Inductor = 2.67585 nH

A diagram of a circuit

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1. Matching is possible if load is capacitive: If
2. Matching is possible if load is inductive: If

A diagram of a circuit

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Wolfram Alpha ^

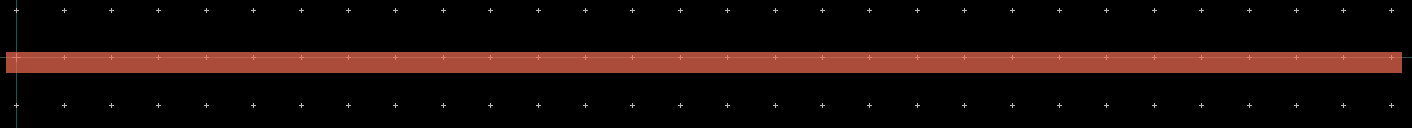
A close-up of a text

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Fractional Bandwidth

and

Values computed using ADS.



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