

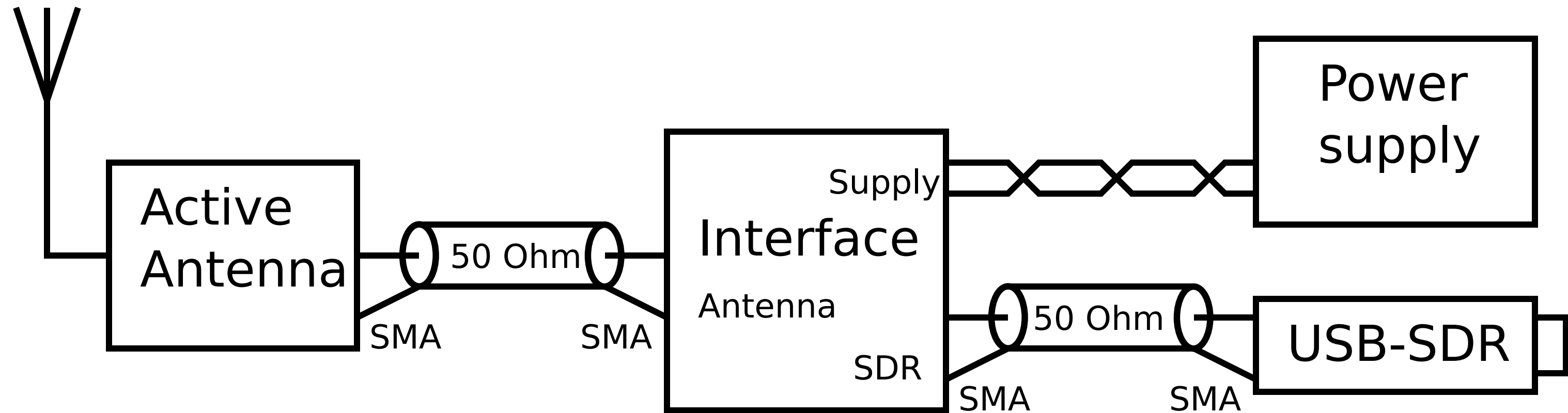
# **Structured Electronic Design**

EE3C11

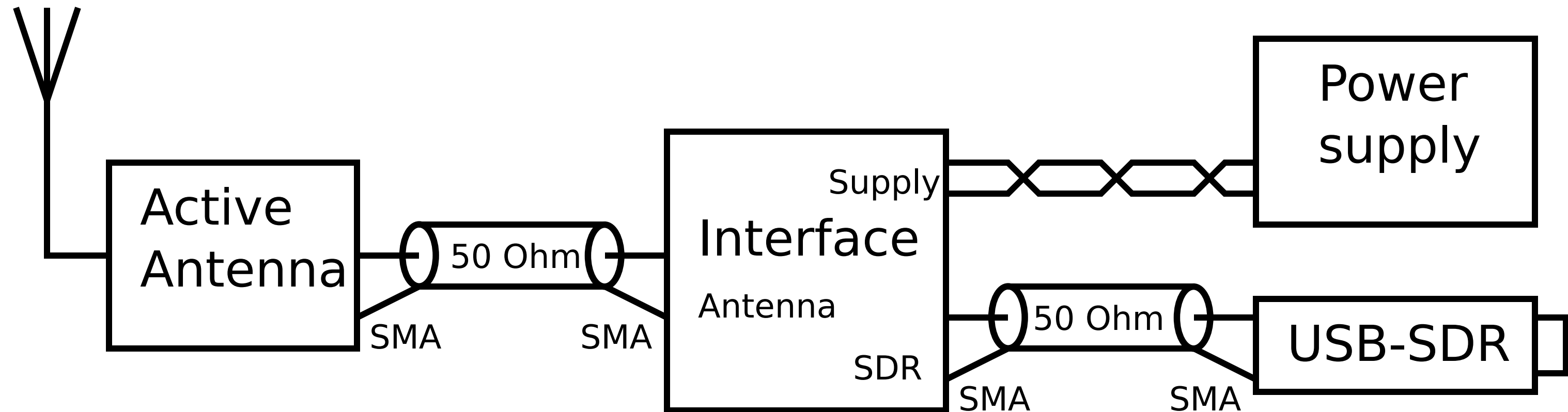
Design of the Active Antenna  
Understand the Application

*Anton J.M. Montagne*

# Understand the application

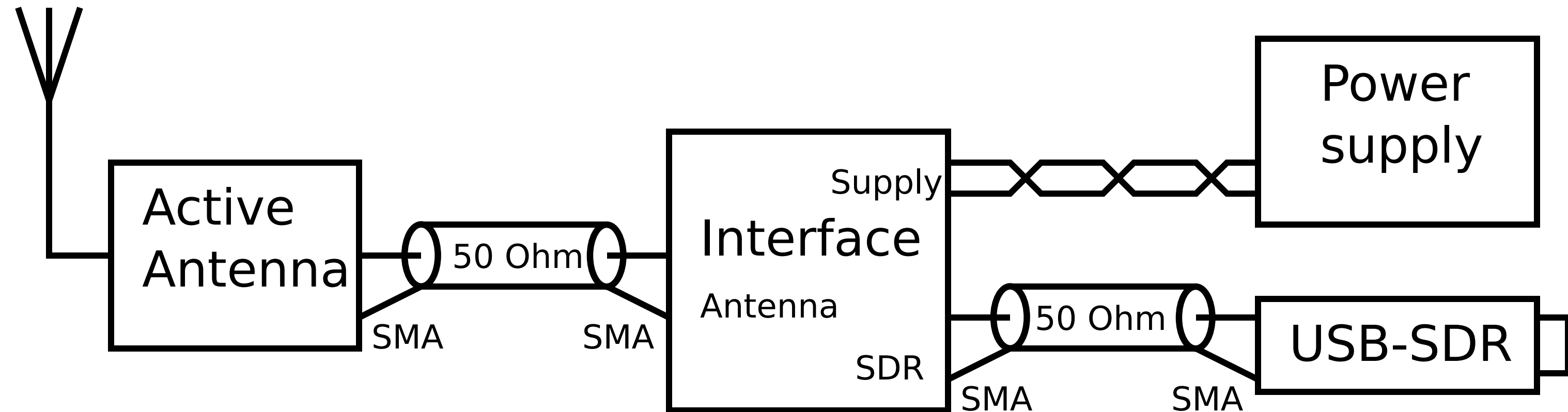


# Understand the application



In which way do  
the voltage and  
current generated  
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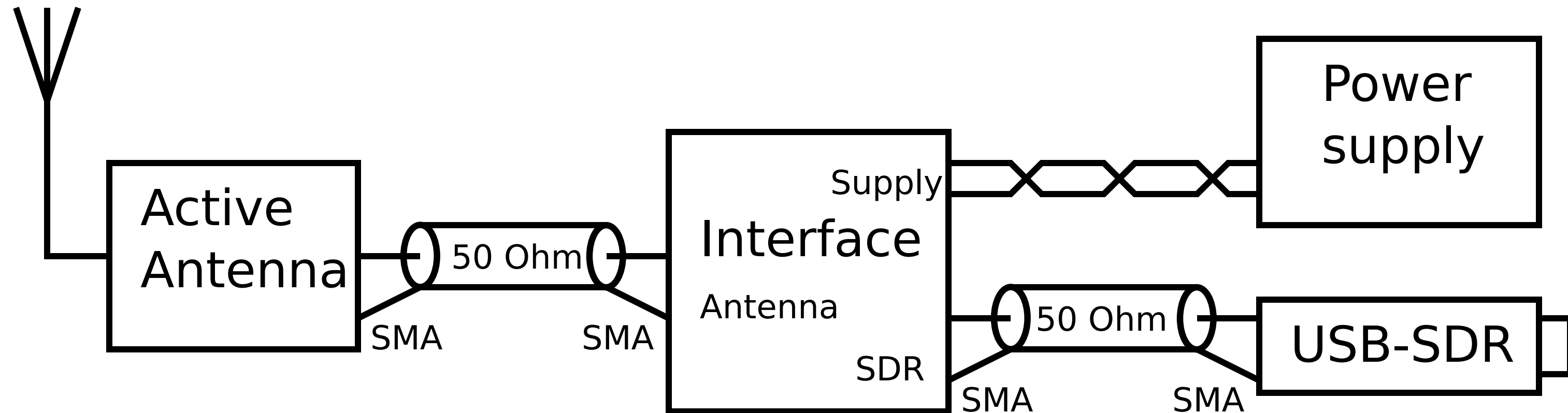
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Do we need an amplifier?

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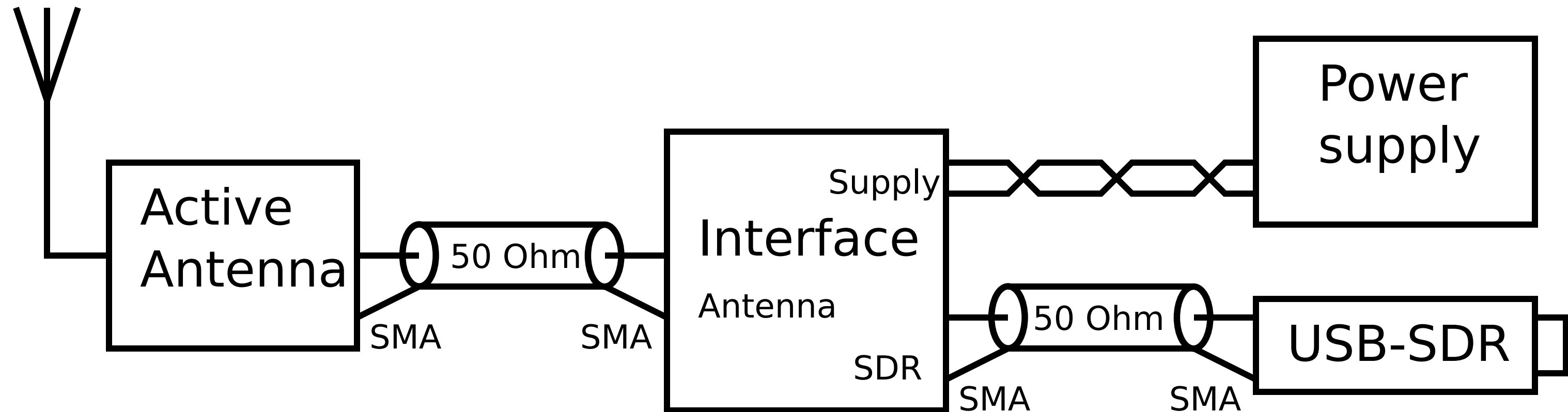


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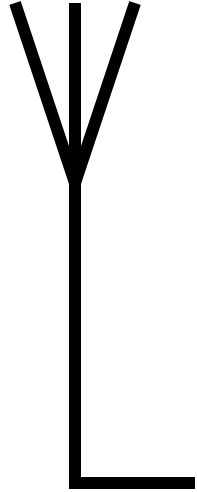
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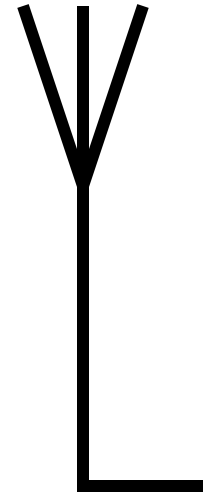
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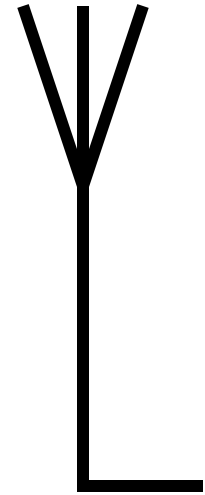
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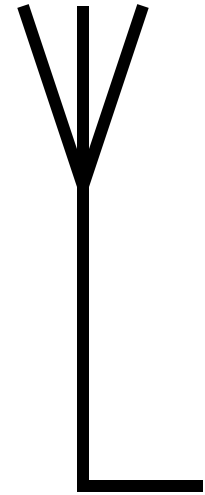
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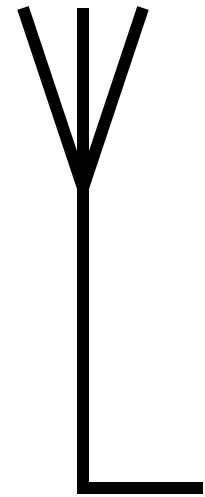
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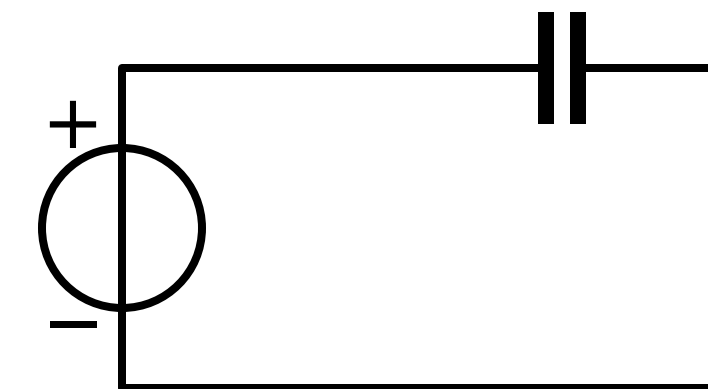
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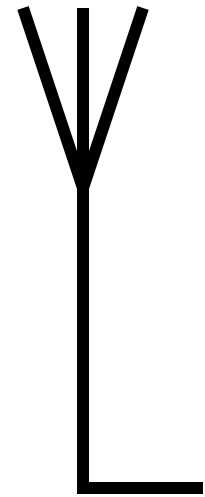
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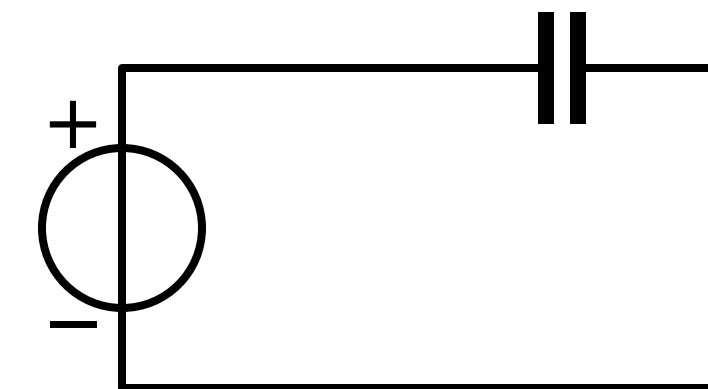
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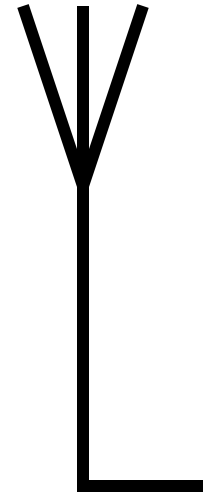
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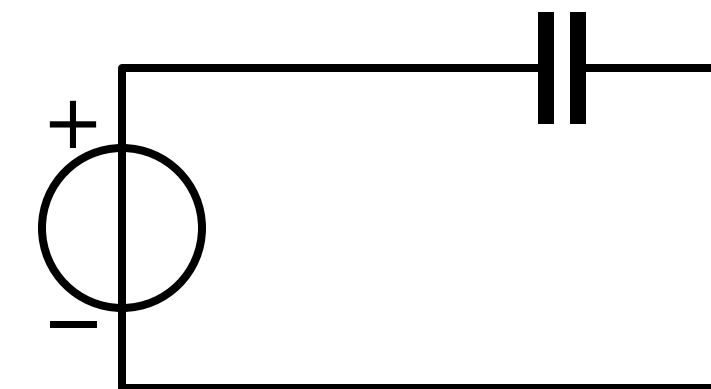
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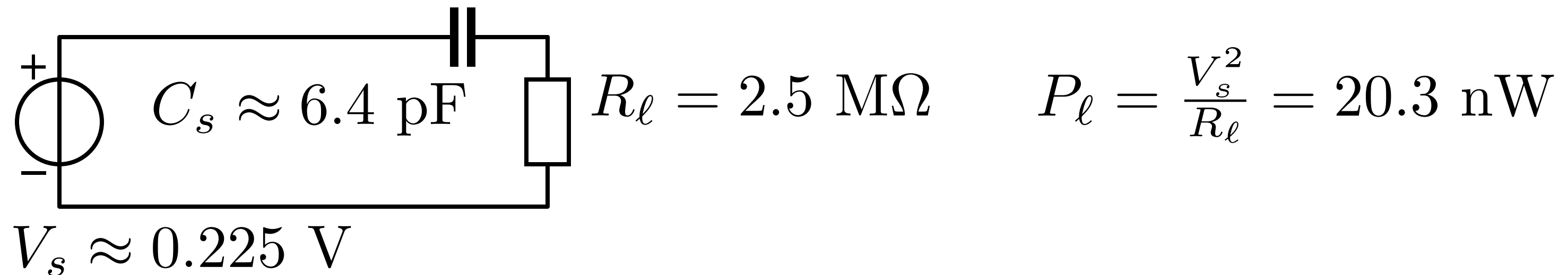
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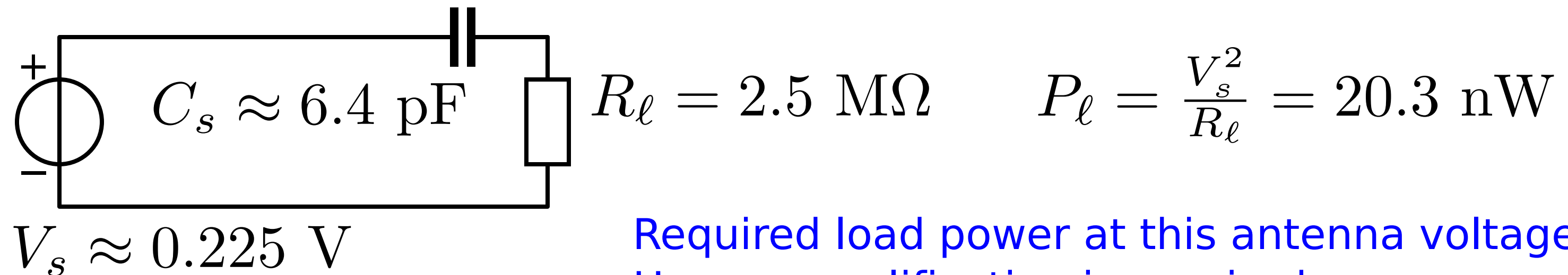
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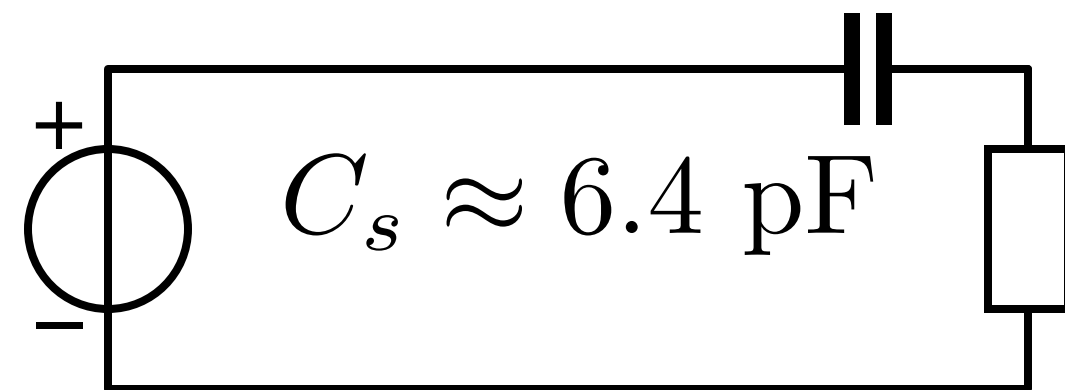
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$$V_s \approx 0.225 \text{ V}$$

$$P_{\ell} = \frac{V_s^2}{R_{\ell}} = 20.3 \text{ nW}$$

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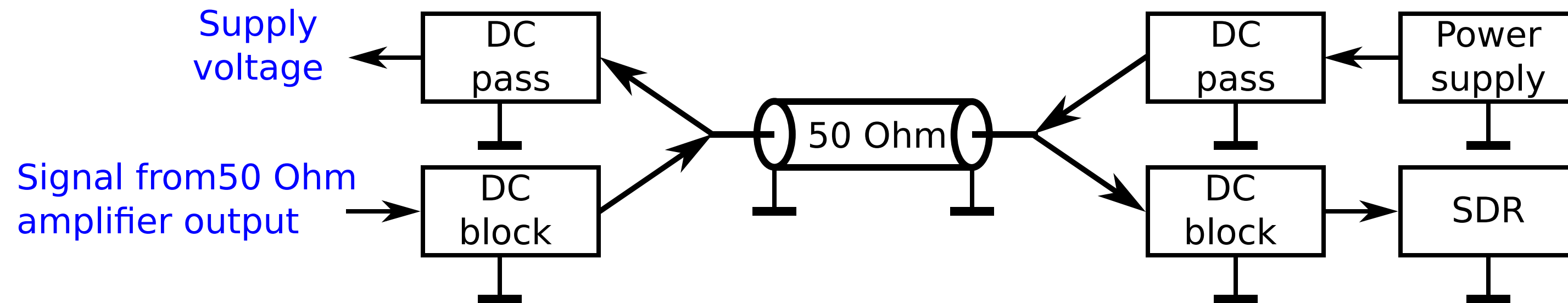
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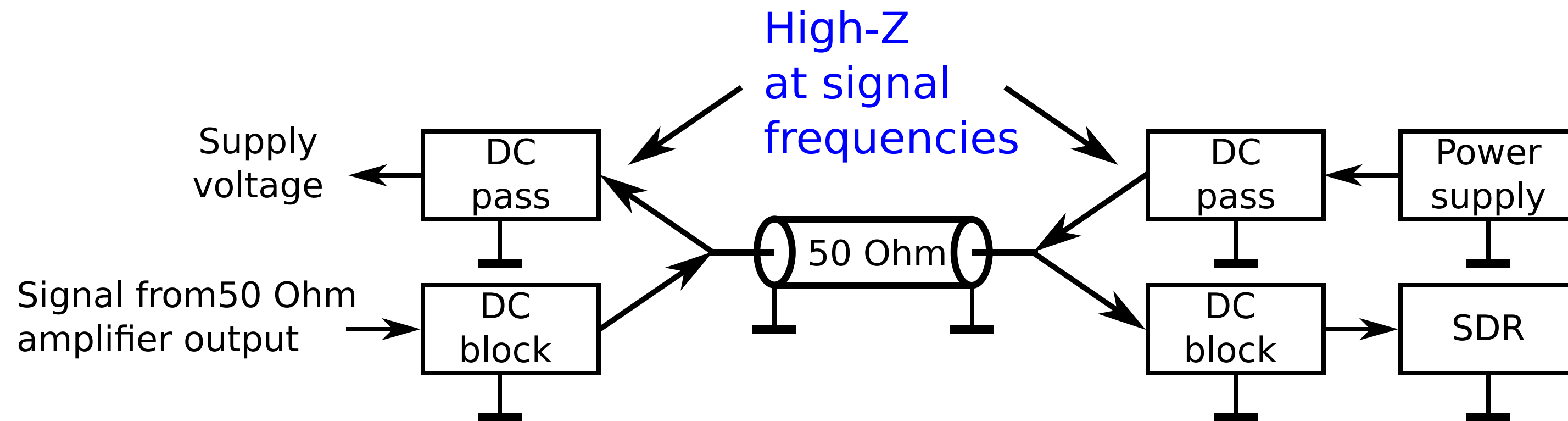
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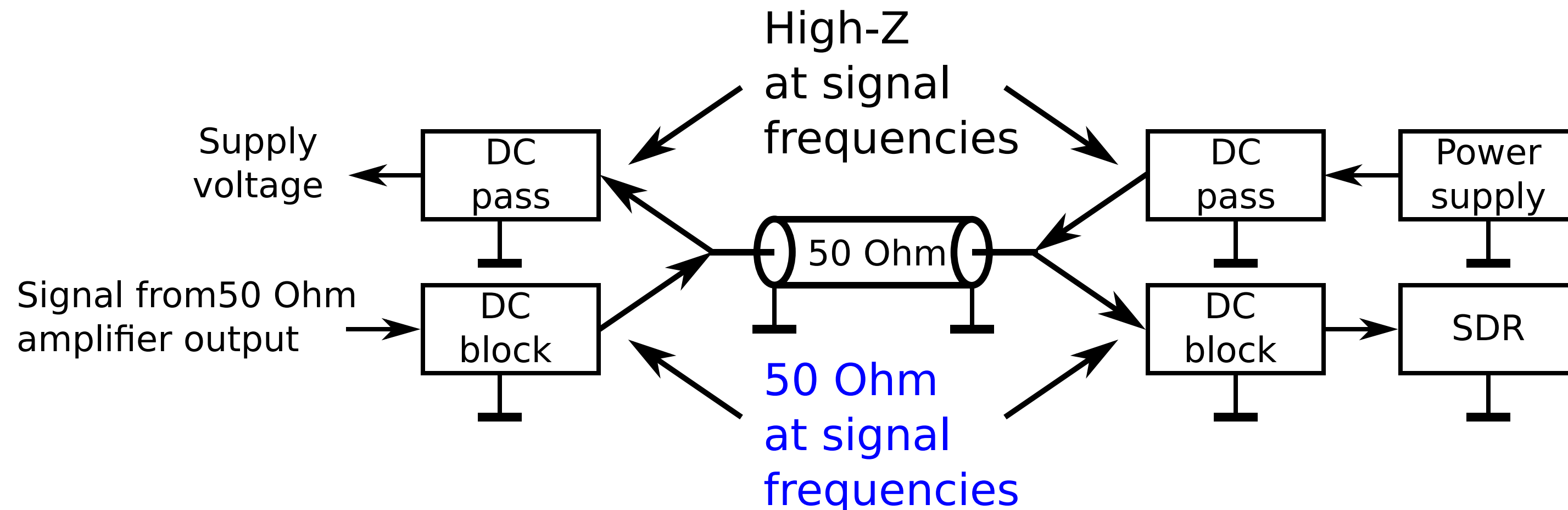
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