



PCB Trace Width Calculator
<https://www.4pcb.com/trace-width-calculator.html>

Inputs:
 Current..... 2 Amps
 Thickness... 1 oz/ft²

Optional Inputs:
 Temperature Rise..... 11 Deg
 Ambient Temperature... 25 Deg
 Trace Length..... 10 cm

Results for External Layers in Air:
 Required Trace Width.... 29.0 mils (0.738 mm)
 Resistance..... 0.0687 Ohms
 Voltage Drop..... 0.137 Volts
 Power Loss..... 0.275 Watts

For the same trace width, with a thickness of 2 oz/ft² :
 Current..... 3.3 Amps
 Resistance..... 0.0344 Ohms
 Voltage Drop..... 0.114 Volts
 Power Loss..... 0.375 Watts

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The original source project of this document may be found at <https://github.com/sporniket/sel-current-sink>



SEL — Sporniket's Electronic Load

Sheet: /
 File: sel-current-sink.sch

Title: Voltage-Controlled Current Sink

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