

Conductor Characteristics

Solve For

☒ Amperage

[? Help](#)

☐ Conductor Width

Parallel Conductors?

☒ No

☐ Yes

Plane Present?

☒ No

☐ Yes

Conductor Width

**6** **mils**

Conductor Length

**984.252** **mils**

PCB Thickness

**62** **mils**

Frequency ☒ DC

**DC**

Options

Base Copper Weight

- ☐ 0.25oz
- ☐ 0.5oz
- ☒ 1oz
- ☐ 1.5oz
- ☐ 2oz
- ☐ 2.5oz
- ☐ 3oz
- ☐ 4oz
- ☐ 5oz

Plating Thickness

- ☒ Bare PCB
- ☐ 0.5oz
- ☐ 1oz
- ☐ 1.5oz
- ☐ 2oz
- ☐ 2.5oz
- ☐ 3oz

Plane Thickness

- ☒ 0.5oz / 1oz
- ☐ 2oz

Conductor Layer

- ☐ Internal Layer
- ☒ External Layer

Information

Total Copper Thickness  
1.40 mils

Conductor Temperature  
Temp in (°C) = 48.0  
Temp in (°F) = 118.4

Unit

☒ Imperial

☐ Metric

Sub

Material

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4.6

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IPC-2152 with modifiers mode

Etch Factor: 1:1

Power Dissipation

**0.13361 Watts**

Conductor DC Resistance

**0.13318 Ohms**

Power Dissipation in dBm

**21.2582 dBm**

Conductor Cross Section

**6.44 Sq.mils**

Voltage Drop

**0.1334 Volts**

Conductor Current

**1.0016 Amps**



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