

Conductor Characteristics

Solve For

☒ Amperage

☐ Conductor Width

Parallel Conductors?

☐ No

☐ Yes

Plane Present?

☐ No

☐ Yes

Conductor Width

1.27 mm

Conductor Length

100 mm

PCB Thickness

1.5748 mm

Frequency

☒ DC

DC



IPC-2152 without modifiers mode Etch Factor: 1:1

Power Dissipation

0.24526 Watts

Conductor DC Resistance

0.01518 Ohms

Power Dissipation in dBm

23.8962 dBm

Conductor Cross Section

0.122 Sq.mm

Voltage Drop

0.0610 Volts

Conductor Current

4.0189 Amps

Options

Base Copper Weight

- ☐ 9um
- ☐ 18um
- ☐ 35um
- ☐ 53um
- ☒ 70um
- ☐ 88um
- ☐ 106um
- ☐ 142um
- ☐ 178um

Plating Thickness

- ☐ Bare PCB
- ☐ 18um
- ☒ 35um
- ☐ 53um
- ☐ 70um
- ☐ 88um
- ☐ 106um

Plane Thickness

- ☒ 35um
- ☐ 70um

Conductor Layer

- ☐ Internal Layer
- ☒ External Layer

Information

Total Copper Thickness
105 um

Conductor Temperature
Temp in (°C) = 42.0
Temp in (°F) = 107.6

Unit

- ☐ Im
- ☒ Me

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