

Conductor Impedance

Conductor Width (W)

9mils

Conductor Height (H)

5mils

Frequency (MHz)

100

Note:
This calculator uses a complex formula, not the simplified formula. Results track the Sonnet 3D solver.

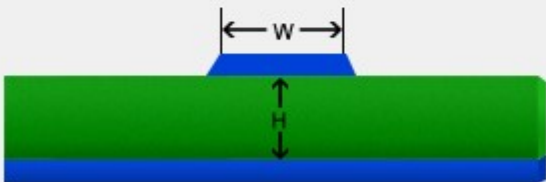
Er Effective = 3.3373

Zo
49.8835 Ohms

Lo
7.7227 nH/in

Co
3.1035 pF/in

Tpd
154.8153 ps/in



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

Passive Circuits

- ☒ Microstrip
- ☐ Microstrip Embed
- ☐ Stripline
- ☐ Stripline Asym
- ☐ Dual Stripline
- ☐ Coplanar Wave

Information

Total Copper Thickness
0.70 mils

Conductor Temperature
Temp in (°C) = N/A
Temp in (°F) = N/A

Unit
☒ Im
☐ Me

Subs
Mate

Er
4.6

Tem

Temp

Amb

Temp

Pri

