Conductor Impedance

Conductor Width (W)

0.7   **mils**

Conductor Height (H)

5   **mils**

Frequency (MHz)

1

Note:

This calculator uses a complex formula, not the simplified formula. Results track the Sonnet 3D solver.
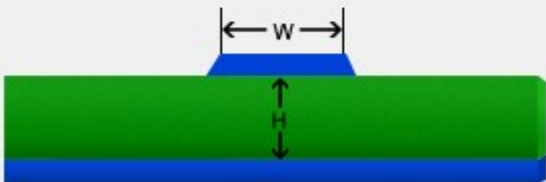
Er Effective = 2.7259

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

Unit
- ● Im
- ○ Me

Subs
Mate

Er
4.6

Tem

Temp

Amb

Temp

Pri

Zo

119.6853 Ohms

Lo

16.7462 nH/in

Co

1.1691 pF/in

Tpd

139.9184 ps/in

Information

Total Copper Thickness   Via Th
0.70 mils   N/A

  Via Co

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

Print this form.