Differential Pairs

Conductor Width (W): 0,18 mm

Target Zdiff: 90 Ohms

Conductor Spacing (S): 0,19 mm

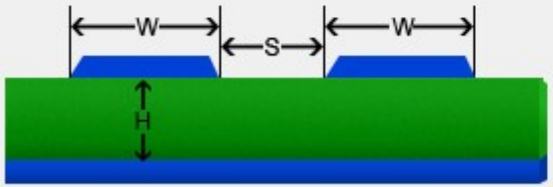
Conductor Height (H): 0,12 mm

W/H = 1.500

S/H = 1.583

Formula Restrictions:

0.1 < W/H < 3.0
0.1 < S/H < 3.0



Zdifferential: 90.130 Ohms

Zo: 50.351 Ohms

+/- Tolerance = 10%

99.143 Ohms

81.117 Ohms

Options

Base Copper Weight

- 9um
- (•) 18um
- 35um
- 53um
- 70um
- 88um
- 106um
- 142um
- 178um

Plating Thickness

- Bare PCB
- (•) 18um
- 35um
- 53um
- 70um
- 88um
- 106um

Differential Layer

- (•) Edge Cpld Ext
- Edge Cpld Int Sym
- Edge Cpld Int Asym
- Edge Cpld Embed
- Broad Cpld Shld
- Broad Cpld NShld

Units

- Imperial
- (•) Metric

Substrate Options

Material Selection

Er: 4,3 Tg (°C): 130

Temp Rise (°C): 20

Temp in (°F) = 36.0

Ambient Temp (°C): 22

Temp in (°F) = 71.6

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Information

Total Copper Thickness
36 um

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

Via Thermal Resistance
N/A

Via Count: 10
N/A

Via Voltage Drop
N/A

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