



AppCAD - [Microstrip]

File Calculate Select Parameters Options Help Main Menu [F9]

Microstrip

Calculate Z0 [F4]

Z0 = 51.35 Ω

Elect Length = 0.360

Elect Length = 132.4 degrees

Elect Length = 1000.204 mil (Via Line equiv.)

Delay = 153.201 ps

1.0 Wavelength = 2719.745 mil

Vp = 0.553 fraction of c

ϵ_{eff} = 3.270

W/H = 1.833

Dielectric: ϵ_r = 4.3

=> Enter custom ϵ_r value

Frequency: 2.4 GHz

Length Units: mils

Normal Click for Web APPLICATION NOTES - MODELS - DESIGN TIPS - DATA SHEETS - PARAMETERS

AppCAD - [CPW]

File Calculate Select Parameters Options Help Main Menu [F9]

Coplanar Waveguide

☒ With Groundplane ☐ No Groundplane

Calculate Z0 [F4]

Z0 = 51.5 Ω

Elect Length = 0.323

Elect Length = 116.2 degrees

Elect Length = 1587.289 mil (Via Line equiv.)

Delay = 134.481 ps

1.0 Wavelength = 3098.233 mil

Vp = 0.630 fraction of c

ϵ_{eff} = 2.52

Shape factor = 0.714

Dielectric: ϵ_r = 4.3

=> Enter custom ϵ_r value

Frequency: 2.4 GHz

Length Units: mils

Normal Click for Web APPLICATION NOTES - MODELS - DESIGN TIPS - DATA SHEETS - PARAMETERS

Sheet: /

File: led_microwave.sch

Title: IMWUT Submission

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