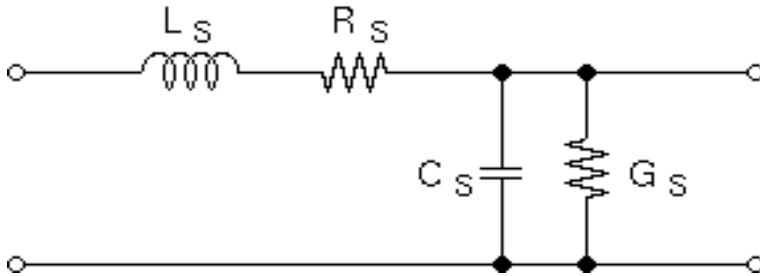
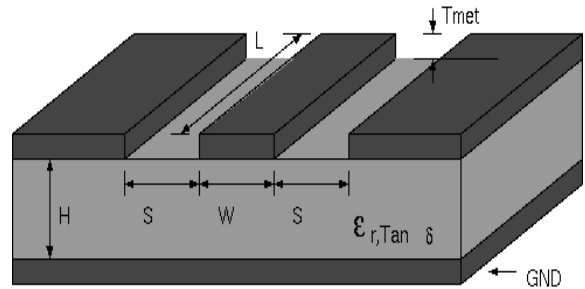


Coplanar Waveguide Analysis/Synthesis Calculator



Values In Sync

$L_s = 7.59382$ nH / inch
 $R_s = 105.851$ mOhm / inch
 $C_s = 3.18333$ pF / inch
 $G_s = 239.681$ uMho / inch
 $Z_0 = 48.8415 + j 0$ [ohm]
 $Loss = 0.0237216$ dB
 $Loss/len = 0.0602529$ dB / inch
 $Skin\ depth = 0.115538$ mil
 $Delay = 0.0612121$ ns
 $End\ correction = 0$ inch
 $Corrected\ length = 10$ mm

Metal width (W) mm
 Metal spacing (S) mm
 Trace length (L) mm
 Metal thickness (Tmet) mm
[Metal resistivity \(RHO\)](#) Ohm - m
 Metal surface roughness (RGH) mil -rms
 Substrate thickness (H) mm
[Substrate relative dielectric constant \(Er\)](#)
[Substrate loss tangent \(tand\)](#)
 Frequency MHz
 ☒ Include bottom side ground

 Characteristic Impedance [ohms]
 Electrical Length [degrees]

Return to the main [CGI-Wcalc Page](#).



\$Id: footer.html,v 1.9 2009/01/11 05:37:45 dan Exp \$
 \$Id: coplanar.html,v 1.6 2009/02/11 00:00:28 dan Exp \$
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