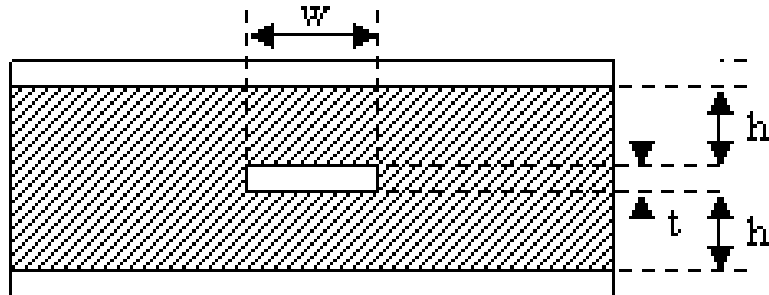


Stripline Impedance Calculator:

$$Z_0 = \frac{60}{\sqrt{\epsilon_r}} \ln \left(\frac{1.9(2h+t)}{(0.8w+t)} \right) \quad T_{pd} = 3.333\sqrt{\epsilon_r}$$

Note: valid for (w/h) from 0.1 to 2.0 and (t/h) less than 0.25

Dimensional units: ☐ mm ☒ mils

w (trace width) =	<input type="text" value="3.5"/>
t (trace thickness) =	<input type="text" value=".7"/>
h (dielectric thickness) =	<input type="text" value="5"/>
er (relative dielectric constant) =	<input type="text" value="4.4"/>
	<input type="button" value="Calculate"/>
Zo (Impedance, Ohms) =	<input type="text" value="50.324"/>
Propagation Delay, Tpd (ps/inch) =	<input type="text" value="177.58"/>
Inductance, L (nH/in) =	<input type="text" value="8.937"/>
Capacitance, C (pF/in) =	<input type="text" value="3.52876"/>

Note: 1oz = 1.4mils = 0.03556mm