7.3.4 Design a strip line w/ glass insulator such that $Z_c = 5 \Omega$.
The design is to be used in an integrated ckt.

$\varepsilon_r = 6$

$$
\frac{d}{w} = \sqrt{\frac{\varepsilon_r \varepsilon_0}{\mu_0}}
Z_c = \frac{\sqrt{6}}{3.77} 5 \Omega = 0.0325
$$

$d = 0.0325 \, w$

for IC's let $w = 100 \, \mu m$

then $d = 3.25 \, \mu m$