

Microstrip

$\epsilon_0 \mu_0$

\vec{J}

$$\nabla \cdot \vec{\mathcal{E}} = \frac{\rho}{\epsilon}$$

$\epsilon_r \mu_r$

$$\nabla \times \vec{\mathcal{H}} = \epsilon \frac{\partial \vec{\mathcal{E}}}{\partial t} + \vec{J}$$

FR4

