

3.a) $L = \frac{\epsilon \cdot A}{C}$

$$L = 8,85 \text{ pF/m} \cdot \frac{(0,0045 \text{ m})^2 \pi}{12 \text{ pF}} = 47 \mu\text{m} = \underline{\underline{0,47 \text{ mm}}}$$

