

Chapter 7, Solution 89.

Since $\tau < 0.1T = 1\text{ }\mu\text{s}$

$$\frac{L}{R} < 1\text{ }\mu\text{s}$$

$$L < R \times 10^{-6} = (200 \times 10^3)(1 \times 10^{-6})$$

$$\mathbf{L < 200\text{ mH}}$$