رمنا دمین بور ۲ م۱۲۴۵ میل ۹۸۱۲ تعلیل ستم امتران عمل ۱۹۵۵ تعلیل ستم

$$= 3 \quad \text{Can} = \frac{q_a}{V_{an}} = \frac{2\pi \& 0}{\ln \frac{Deq}{\Gamma}} = \frac{2\pi \times 8.85 \times 10^{-12}}{\ln \frac{5.03^{m}}{0.0077}} = 8.578 \times 10^{-12} \quad (\frac{F}{m})$$

$$X_{L} = 2 \times 10^{7} \ln \frac{Deq}{D_{S}} \times 2 \text{ nf} = 2 \pi \times 50 \times 2 \times 10^{7} \ln \frac{5.03^{m}}{0.006} = 0.00042 \left(\frac{\Omega}{m}\right)$$

$$\longrightarrow X_{L} = 0.00042 \times 400 \times 10^{3} = 168 \left(\frac{2}{400 \times m}\right)$$

$$\frac{2\pi 20}{\ln \frac{Deq}{\sqrt{rd}}} \Rightarrow \frac{2\pi 20}{\ln \frac{Deq}{\sqrt{rd}}} \approx \frac{2\pi \times 8.85 \times 10^{-12}}{\ln \frac{5.03}{\sqrt{0.0077 \times 0.3}}} \approx \frac{1.19 \times 10^{-11}}{\ln \frac{5.03}{\sqrt{0.0077 \times 0.3}}} \approx \frac{1.38 \times 10^{-12}}{\ln \frac{5.03}{\sqrt{0.0077 \times 0.3}}} \approx \frac{1.38 \times 10^{-12}}{\ln \frac{5.03}{\sqrt{0.0077 \times 0.3}}} \approx \frac{1.38 \times 10^{-12}}{\ln \frac{5.03}{\sqrt{0.0077 \times 0.3}}} \approx \frac{3.73 \times 10^{-12}}{\ln \frac{$$