





Rango Alpha

$$\lambda_{2} = \frac{3 \times 10^{8}}{1600 \times 10^{6}} = 0.1975 \text{ in}$$
 $\lambda_{1} = \frac{3 \times 10^{8}}{1600 \times 10^{6}} = 0.22 \text{ in}$
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 $\lambda_{1} = \frac{3$

$$Riy = 77.5 \Omega$$
 $d = 10$
 $1 = 0.95$

$$yo^{\circ} = \operatorname{orcty}\left(\frac{y \cdot 0.99}{40}\right)$$

$$fan(10^{\circ}) = \frac{0.05}{4} \cdot \frac{1}{5}$$

$$\int \overline{5} = \frac{0.05}{4.\tan(10^{\circ})} = \frac{0.02}{4.02}$$

$$N = 390$$

$$[0.55 \le y \le 0, 2]$$

$$[x = 0, 2]$$

$$[y = 0, 3]$$

$$L = \frac{0.25}{4} \left(J - \frac{1}{J.61} \right) \omega + (10^{\circ})$$

$$d = 1 + \frac{Lu(Bs)}{Lu(1/y)} = 1 + \frac{Lu(2.61)}{Lu(1/y)} = (0,16)$$

2 -> LO J Rango elementos

$$S = d \cosh \left(\frac{20}{120} \right)$$

Design Procedure

2. Determinor desando [11-28]
$$d = tan^{-1} \left[\frac{1-1}{4\sigma} \right] \frac{1}{10^{6}} \frac{1}{45^{6}}$$

$$d = \arctan\left(\frac{1 - 0.98}{4.0.18}\right) = \frac{40}{3.92}$$

3 Determinar Bar

Bar =
$$1.1+7.7(1-0.95)^2 \cdot \frac{1}{4940} = 1.37$$

$$\left[\vec{B} \right] = \frac{\int mox}{\int min} = \frac{1600 \times 10^6}{1200 \times 10^6} = \frac{4}{3}$$

$$TB_S = \frac{4}{3} \cdot 1.37 = \frac{1.826}{1}$$

$$\int \mathcal{L} = \frac{\lambda \operatorname{mcx}}{4} \left(1 - \frac{1}{Bs} \right) \frac{1}{4gd} \left[1 - \frac{31}{Bs} \right]$$

$$\lambda_{\text{max}} = \frac{3 \times 10^8}{1200 \times 10^6} = 0.125 \text{ m}$$

$$L = \frac{0.25}{4} \left(1 - \frac{1}{2.826} \right) \cdot \frac{1}{49(40)}$$

$$2a = 120 \left[L_{N} \left(\frac{l_{N}}{d_{N}} \right) - 2.25 \right] \left(\frac{11-33}{2} \right)$$

$$l_{mox} = \frac{l_{mox}}{2} = \frac{0.12S}{2} = \frac{0.12Sm}{\frac{0.12S}{12}}$$

dimox ? -> andrivra -> 0,2286 -> 0,01

$$\frac{l_{\text{max}}}{l_{\text{max}}} = \frac{0.1125(12-2)}{0.01} = \frac{125}{125}$$

$$\frac{2a}{Rin} = \frac{309.4}{50} = 6.18$$

$$\frac{20}{R_{in}} = 1.12 \rightarrow 1.2$$

$$102 = \frac{20}{50}$$

$$120 = 60$$

$$S = d \cosh\left(\frac{20}{120}\right)$$

$$S = 0.01 \cosh \left(\frac{60}{120} \right) = 0.01127$$