

$$\lambda_c = \frac{2}{\sqrt{(m_s^2 + (f_s)^2)}} = 14 \text{ cm}.$$

相速度:

$$\nu_{p} = \frac{\nu}{a} = \frac{c}{\sqrt{\epsilon_{r}} a} = \frac{c}{\sqrt{\epsilon_{r}} \sqrt{1 + (\frac{t_{r}}{\epsilon_{p}})^{2}}} \approx 1.07 \times 10^{8} \quad \text{NTEIO} = \frac{\eta}{\sqrt{1 - (\frac{t_{r}}{\epsilon_{p}})^{2}}} = 498 \text{ s.c.}$$

中汉军波长:

$$\lambda_g = \frac{\lambda}{G} = \frac{c}{\int_{Er} \cdot \int_{\Gamma} \cdot \int_{\Gamma} \frac{dc}{dr}} = S.35 \text{ cm}$$

3-9.

解:
$$k_c = \sqrt{k_x^2 + k_y^2} = \sqrt{(\frac{2}{30})^2 + (\frac{6}{30})^2} = \frac{E \lambda}{30} *$$

$$\Delta_c = \frac{2\lambda}{k_c} = \frac{2\lambda \cdot \frac{30}{J_{ZA}}}{J_{ZA}} = 30J_{ZCM}$$
.

$$k_{x} = \frac{m\lambda}{a}$$

$$k_{x}|_{m=3} = \frac{3\lambda}{a} = \frac{\lambda}{30}$$
. $9\frac{1}{3}a = 90$ mm
 $k_{y}|_{n=2} = \frac{2\lambda}{30} = \frac{\lambda}{30}$ $9\frac{1}{3}b = 60$ mm

解:
$$k_c = \sqrt{\frac{(Q_c)^2 + (Q_c)^2}{(Q_c)^2}} = \sqrt{\frac{Q_c}{(Q_c)^2}} = \frac{A}{A}$$

$$\lambda_{c} = \frac{2\lambda}{kc} = 2\lambda = 45.72 \text{ mm}.$$

$$f_{c} = \frac{c}{\lambda c} = 6.56 \text{ GHz}$$

$$f_c = \frac{c}{\lambda_c} = 6.56 \, \text{GHz}$$

$$V_p = \frac{V}{G} = \frac{c}{\sqrt{1 - (\frac{4c}{c})^2}} = 3.97 \times 10^8 \, m/s$$
.

$$\eta_{\text{TEIO}} = \frac{\eta}{\sqrt{1-(\frac{T_c}{L})^2}} = 498 \Omega$$

解:
$$\lambda_{C(mn)} = \frac{2\lambda}{\sqrt{(\frac{m\lambda}{a})^2 + (\frac{n\lambda}{b})^2}}$$

$$\frac{\lambda_{c(H_{10})}}{\lambda_{c(H_{0})}} = 4.572 \text{ cm}$$

$$\lambda_{c}(A_{20}) = 2.286 cm$$

$$\lambda_c(\mu_{01}) = 2.032 \text{ cm}$$