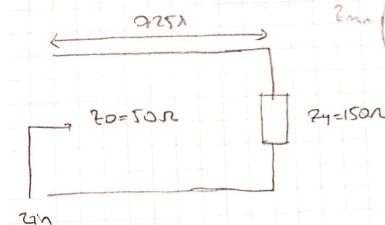




- 6) Yok yersma ketseyisi
- c) yok admintasi
- d) Gerlimi
- el Zen=?
- Pl Empeders max ve min?



$$\frac{2}{3}y = \frac{2}{3}y = \frac{150}{50} = 3$$

$$4y = 3^{\circ}$$
 $4y = yy = 30 = 4y = 0.33 = 6.6 ms$

2) 20=502 for hize 2,108 mls

2)
$$\frac{20=50 \,\text{M}}{20=50 \,\text{M}}$$
 for the 1.10 mg.

$$70.10 = \frac{1}{c} \rightarrow c = \frac{1}{20.10} = \frac{1}{50.2.10^3} = 10^{-10} \text{F/m} = 100 \text{pt/m}$$

b)
$$\omega = \frac{c}{\sqrt{\epsilon r'}} \rightarrow \epsilon r = \left(\frac{c}{\omega}\right)^2 = \left(\frac{3}{2}\right)^2 = 2.25$$

3) a) l'uzunlugunde some lesse deure 502 loi Regipsie bir het, 161/2/de, 7,9614 degernde bir endulusors start bullonilocoletor, Halten l'uzunluguru bichine. Er=1

b) Kaypsiz bir halfin grisinder; som lusa deure edildigin de 2k = + (10052) agile deune edildifinde ise Za = - 156,25 - ductoyer. Hollin Korablerishte empetersin bulerure.

Xr=200

Pf = Pit - C 0) gélildeli sistende Badu un horie, tum noticularda empedans uygunlugu saftamis olip 14dBm Tools kuplana yanelticitigi sonsut, AMIL = OdB, 2-3 arosindelii iletim hatti Kyipsiz ve sistem (cm) (cm2 empedeans, son'der. Your Kuplanon ters you kup Icj Kepesindaki görmetre (BMZ) -20 8BM 905 les metrodir. C=20 dB 3 noklasinda bi yensima Kenseyisimin mullele Pit=4 mW = 10/05 4mW/P2deger (0,5) deugunc gore, ileriyon huplig Kepisinderi gismetrenin (hm1) gisleverge C= 10/09 P1 = 10/09 P2 (dB) deger dBm consinder belinging Pf=Pit-C=6-20=14dRm =-14dBm Pb = -20 dBm 1/31=0,5 C(dB)=P2 (dBm)-Pb(dBm) P2 = P6+C = -20 +20 = OdBm = (Imw $|\Gamma_3| = \sqrt{\frac{P_3}{P_3}} \rightarrow \frac{|\Gamma_3|^2}{P_3} = \frac{1}{2} \cdot \frac$ /13/2 = P3 -> P3+ = P3 - 1 = amw P3+ 1/3/2 0152 = Pf= Pit-C=6220=14dBm IW = 0dBW = 30dBm IMW = 0dBm = - 30dBW -0,0125W 12,5 mW

14: hovel, Danes d Dolga Kikuvev beskinned 9510 questis pay. 14 He bonds 6) Octome bording elt ve ver frebensi? a) Derresel -> TEII -> boles -> Sundah: Tomos Ja= (1,1) fc,11 5 fo= 0,9 fc,01 (3=1614) $B = \int_{0}^{2} - \int_{0}^{2} = 0.9 \frac{\text{cpol}}{2 \text{ n2}} = 1.1 \frac{\text{cpl}}{2 \text{ n2}} = \frac{\text{c}}{2 \text{ nB}} = \frac{10.3 \text{ pol}}{2 \text{ nB}} = \frac{11 \text{ pl}}{2 \text{ nB}}$ $a = \frac{30}{2\pi 1} (0.5(2,405) - (1,1)(1,861) = 0.665cm$ b) $f_{q} = 1.1 \frac{c_{pw1}}{2\pi a} = 1.1 \frac{30(1.841)}{2\pi (0.665)} = 14.54 \frac{6112}{2}$ 10 = fa-18 = 14+546Hz + 16Hz = 15,546Hz facebook.com/Arnica.Senur www.arnica.com.tr

twitter.com/ArnicaEvAletler

600 st yell 50st -> reynch Emp L-Tipi devreyi tescala Gown: es= 50s2, Rp=600s $Qs = Qp = \sqrt{\frac{2p}{p_0}} - 1 = \sqrt{\frac{6\omega}{50}} - 1 = \sqrt{11} = 3.31$ Qs = Xs -> Xs = Qs, es = (3.31)(50) = 165,52 Senkol-e - Cs = 1 - 1 = 24pF Serikol-11 -> Ls= Xs = 165.5 = 660H $Qp = \frac{Rp}{Xp} \longrightarrow Xp = \frac{p}{Qp} = \frac{600}{331}$ Xp = 181,352 porcale E -> Lp = Xp 72014 \$60052 Lp = 181,3 = 72014 Zuson 700602r facebook.com/Arnica.Senur twitter.com/ArnicaEvAletler www.arnica.com.tr

2in = - 1/65,5 + 1/181,3/600) ~ 502 600+1/181,3







2001 = (j181,3) // (50-1165,5)= 600,0

Minosevit (h=0.124), Er=2.2, SOR, 2.56H2, 900Fer keydir. e=6 20=50R Why 2 379 (3.1615) = 1184.3455 = 7.585 2.70 (Er) = 2.50 (2.2) = 148.3239

$$\frac{W}{h} = \frac{2}{\pi} \left[8 - 1 - \ln(2R - 1) + \frac{Er - 1}{2Er} \left(\ln(R - 1) + 0.35 - \frac{0.61}{Er} \right) \right]$$

$$\frac{W}{h} = \frac{2}{\pi} \left[\frac{6,985 - 2,706 + \frac{1.2}{6.4} \left(\frac{1,9432 + 0.39 - 0,2392}{6.4} \right)}{0.5608} \right]$$

$$\frac{\omega}{h} = \frac{2.14.8398)}{(3.1415)} = \frac{3.081}{2.081} > 2$$

$$Ere = \frac{1}{2} \left[(Er + 1) + (Cr - 1) \right] \frac{1}{\sqrt{1 - 12/(\omega/h)}}$$
3,031

$$Ere = 1 \left[(3,2) + (1,2) \right] 1 = 1 \left[3,2 + \frac{1,2}{2,21} \right]$$

$$\left[(3,2) + (1,2) \right] 1 = 1 \left[3,2 + \frac{1,2}{2,21} \right]$$

Er=1,87

$$B_{0} = \frac{7}{3}.385$$

$$W = \frac{3}{3}.381$$

$$\lambda = \frac{3}{12}$$

$$W = \frac{3}{3}.381$$

$$\lambda = \frac{3}{12}$$

$$W = \frac{3}{3}.381$$

$$\lambda = \frac{3}{12}$$

$$\frac{1}{13.672} = \frac{12}{1.3672} = \frac{2.73500}{1.3672}$$

$$E_{1} = \frac{1}{123}$$

$$For kyolina go = 1 + \frac{3}{2}.2750$$

$$For io = \frac{3}{2}.2750$$

$$For kyolina go = 1 + \frac{3}{2}.2750$$

$$For io = \frac{3}{2}.2750$$

$$For$$