0 a/ C= E. A = E = C. A $\mathcal{E} = 43.8 \cdot 10^{12} \cdot \frac{0.01}{77 \cdot 0.05^{-2}} = 5.598 \cdot 10^{-4}$ $\mathcal{E} = \mathcal{E}_{V} \cdot \mathcal{E}_{0} = \frac{\mathcal{E}}{\mathcal{E}_{V}} = \frac{5.598 \cdot 10^{-12}}{8.85 \cdot 10^{-12}} = 6.30$ 6/ S = 20 mm = 0! = 59.0 kV $R = 1/2 = 59.000/12.10^{12} = 4.52.10^{15} \Omega$ $Q = 0 \frac{d}{d} = 9.92.10^{15} \frac{11.0.05^2}{0.01}$ 386.8 8 = 3,86.10 × 6= = 1/386.10 = 2,59 -165 C) (7.33) $(UCyRy = tan \delta_x)$ $f \in S$ $2 \times 50.300 \cdot 10^{5}$. tovoth = 0.03 - 0.172d) fand = En + 6/26.10 Er otand = Er + Solow => E = Ertand - Solow $E'' = 6.3 \cdot 0.03 - \frac{2.59 \cdot 10^{-16}}{8.85 \cdot 10^{-12} \cdot 27150} = 0.183$ Er = Er + J En, Where Gin = Er + 6/20W = 6,30 +7 (1,89 + 2,59.10 /8.85.10 12 27.50) Er = 6,30 + 7 1,83 PARIT SMALL CONDUCTIVE PART (APPRITATION)

E = 8 kel/mm = 0 = 80 kel Pdill = 2TID - 438.10 . 0,03 . 80000 = 264W Pdiel = Peliel = 2,68 / = 33,6 mW/ Spri. = 11.52.7 = 33,6 /cm³

032 Sevils Impedence heglested 2 9/ Xc = /40c = /2750.0,25.106.55 = 231,5x 13.245 kV = 318 kV fest welter. I = 3/8000/23115 = /396A Q = I · KL = 1396 2 - 231,5 = 438 MW Very to h sower, just like neel power ! 6/ 7; 2.20 p. 45 Us = 1/12 => 6 = 1 - W2C L30H2 = (2T 30) 2.0, 25.106.55 = 2.054 9/ Q= WC , 200 = 211-30.2,05 R3747 = 1,5.3 S2 , R200H2 = 0,290 SL Resonure => |Vel-14/- Q-14/ =>
318 = 200 · |Vsl => /45/= 1.59 kV I = Us = 1590 = 829A 30Hz R31 1,93 P30/1-2 = 72 · R30 = 8242 /93 = 1.31 mW

Izer Hz = 1/3 = 1590 = 54944 Pzerom = 54342.0,290 = 8.7 mx d/ See c/ We ned 8.7 mm at 200 Hz (mt oney 1,31 mw et 30 Hz (3)