MOS franz. PTF10136 radi u sclopu granióno pobutenog VF pojacala snuge u blasi C ma radusj fretu. f=1 MHz uz unjete: UDD = 28U - napou napajanja Ugy = -14 - predungon gaten world - and well PJ = 39W - myrisa dopustan dispanya mu dotoku Up=1V - mapon dodies temz. Istu = 1,1 A - Hemena injediust dotoone strije Ugun = 5,85 V - amplituda pobudung napana me gaty Udmin = 4V - minimalem varing dotoing mapaia Q=12 - faltor dobrote dotomoga titrajug Enga - manji lut potjeurnja => munja snega => veća konsmost - struju spuštuti u (iupolskua) - no irlom titapui krug ( cos 0 = Up- Uga 1-1-11 = 0,342 => 0 = 70° - kut

Nym 5,85 = 0,342 => 0 = 70° - kut

profecange Ru= Usm = UDD-UDmin = 28-4 = 0,857 fo(70°) = 0,252 fo(70°) = 0,436 (iz tablica)

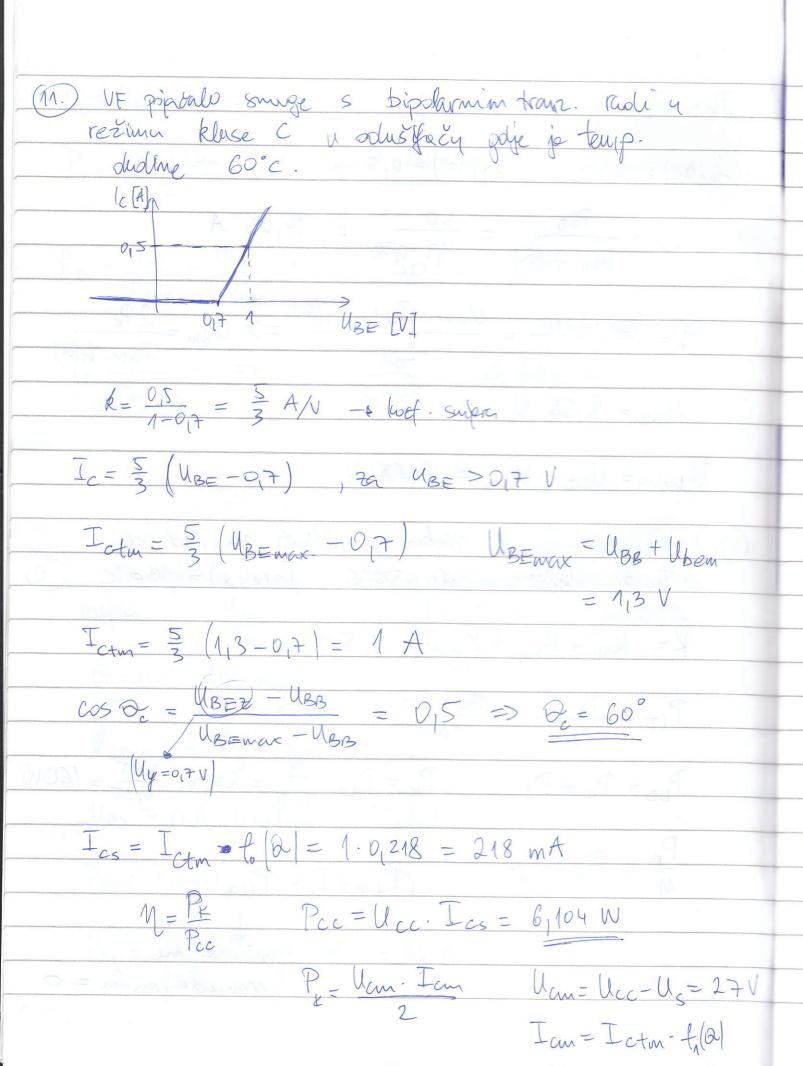
$$P_{DD} = U_{DD} \cdot I_{DS} = U_{DD} \cdot I_{Jtm} \cdot f_0(Q) = 7,76 W$$

$$P_{E} = U_{DM} \cdot I_{dmm} = (U_{DD} - U_{Junin}) \cdot I_{dtm} \cdot f_1(Q) = 57$$

$$Q = \frac{RD}{2\pi f L_D} \Rightarrow L_S = \frac{RD}{2\pi f Q} = 0,663 \mu H$$

$$C_1 = \frac{1}{(2\pi f)^2 \cdot l_3} = 38_1 2 \text{ nF}$$

mo = monde panda = 0  $\frac{2n}{1} + \frac{1}{2} = \frac{1}{2}$ MO91 = 2510 85152 = 1-1 1P = 31 PL + 31 = 00 Tet = 15-10 = 53,83 WEE = 51-21 = 76 I = { M/2=5/V = aH + H2 + 75/ = } (10.) Porcolo susse tider proplétich 20, 120 mus) = 120°C. Ts (max) = 120°C. V 23, S = Web + day = 2,65 V R= 95 = = A/V - L L - WOOD V ZZ, 8 = WEN (6) 4: mph <= (0) 4 mph = mph = 45 4 80/41 = 8160. 2141 = (10) of. 09) = m7P I 60 = 600 = 600 = 8180 = (00) = 600IV) LE BORROND EMPRES E MAN OSUF MONTO LO = 27



$$\frac{m}{\sqrt{3}} = \frac{1}{25 \cdot 169} = 9 - 5V - 25 \cdot 06 = \frac{1}{25 \cdot 169} = \frac{1}{2} - \frac{1}{2} = \frac{1}{2}$$

(12) Sllop za utrostrucivanje frekvencije irveden je pomodu pojavalu blase c s 600 taur. 13 (Q) max = 0(185 => Q = 40° PK3 = Um · Ic3m = (Ucc-Us) · Ictm· t3(a) Ictm = 2 PK3 = 1,081 A M = Pez Pcc = Ucc. Ics = Ucc. Ictm. fo(0) Pcc = 12.1,081 - 0,147 1= = = 52,43% + Pcc = 1,9 W