الكترونيه Charles 1) 1.2 2) 0.7 3) higher 9) down 5) forward 6) for 7) Rostive 8) micro or navo 9) Teverse 10) n-region (11) (2) Que 5"?" 1- UD=5 x 66cm-3 1= 0.02 inch Up= 4 + 1018 cm-3 ni=1-5+60cm-3 q=1-6+10-19 VE = 26mV V6 = Ut Ln Ma No = 25 + ln (1+10/8)(5+10/9) = 860.8 mU 5= 505- (8-85 *10-14)(11.8) = 1.0443 * 10-12 W= 100 (1/Np + 1/Np) = (1-6+10-19) (4+100 + 5+1016) Xno = WNA = 4.57 x 10-4 = (4.57+10-4) 4+10-18 = 4.81 + 10-4 (4+10-18) + (5+10) $X_{R} = \frac{\omega ND}{NA + ND} = 5.641 * 10^{-6}$ $Q' = 9 \times 10^{-19}$ $A = \pi r^{2}$ $= 7 \times 10^{-19}$ $= 7.06 \times 10^{-7}$ $= 7.06 \times 10^{-7}$ $= 7.06 \times 10^{-7}$ $= 7.06 \times 10^{-7}$ Emax = 9 NO.Xn = 1-6 *10-19 * (5+10-19) (4.51+10-4) = 3,44 + 160 15 vo Built in voltage Fun 1 Emax = 9 Mo Xn

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