Transduce and Measurement Assignment-2 — Hanan Madam 2018101c3087 Ex 4.3 Capacitance of cyptal: $10^{-9}F$ Capacitance of cable = $3 \times 10^{-10}F$ capacitance constant of cyptal = $4 \times 10^{-6} C Im$ $C = 10^{-9} + 3 \times 10^{-10} + 10^{-10} = 1 \cdot 4 \times 10^{-9}$ $C = RC = 1 \cdot 4 \times 10^{-3}$. $Ki = 4 \times 10^{-6} C / cm$	
Ex 4.3 Capacitance of cystal: $10^{-9}F$ Copacitance of cystal: $10^{-9}F$ Copacitance constant of cystal = 4×10^{-6} c/m $C = 10^{-9} + 3\times10^{-10} + 10^{-10} = 1.4\times10^{-9}$ $C = RC = 1.4\times10^{-3}$. $Ki = 4\times10^{-6}$ c/cm	
Ex 4.3 Capacitance of cystal: $10^{-9}F$ Capacitance of cystal: $10^{-9}F$ Capacitance of cable = $3 \times 10^{-10}F$ Capacitance constant of cystal = $4 \times 10^{-6} C fm$ $C = 10^{-9} + 3 \times 10^{-10} + 10^{-10} = 1.4 \times 10^{-9}$ $C = RC = 1.4 \times 10^{-3}$. $Ki = 4 \times 10^{-6} C fm$	
Copacitance of cable = $3 \times 10^{-10} \hat{\epsilon}$ Copacitance constant of cytol = $4 \times 10^{-6} \text{ c/m}$ $C = 10^{-9} + 3 \times 10^{-10} + 10^{-10} = 1.4 \times 10^{-9}$ $C = RC = 1.4 \times 10^{-3}$. $Ki = 4 \times 10^{-6} \text{ c/cm}$	
Expansion constant of cytal = $4 \times 10^{-6} \text{ c/m}$ $C = 10^{-9} + 3 \times 10^{-10} + 10^{-10} = 1.4 \times 10^{-9}$ $C = RC = 1.4 \times 10^{-3}$. $Ki = 4 \times 10^{-6} \text{ c/cm}$	
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T = RC = 1.4x10-3. Ki = 4x10-6 c/cm	
Ki = 4x10-6 c/cm	40
K = Kile = 2857 y (cm	
K is the voltage constitute constant	
$\frac{\left(\frac{e_{0}}{\alpha_{i}}\right)^{2}}{\sqrt{1+\left(t\omega\right)^{2}}}$	8
$\sqrt{1+(t\omega)^2}$	
Substituting the value of K,T and w for nj= 10-4 cm [en=0.248V] 08.6) N(0): 4.0 + 1.5 cm 200(2x0) milliw	rehi_
[e0 =0.248V] 8.6) N(0) = 4.0 + 1.5 cos sup(275.	
Es Dim WY Shirth Bay	
comparing the given equ	
N(O) = a + b cos(mo)	
E = bm wr : 1.5x22 x 1nx	
= 33/1000 milliwebu.	
= 33 webbu	
The state of the s	13.3
1000 rpm = 21 x1000 = 2001	N
1000 rpm = 21 x10v0 = 20011 60 Aruplitude = 1:5 x22 x210 n x10-3	
= 3.450	
Frequency = 366. 66 Hz	
for 1000 spm	a de la companya de l
- A - On tu	3
Any - 3407	
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