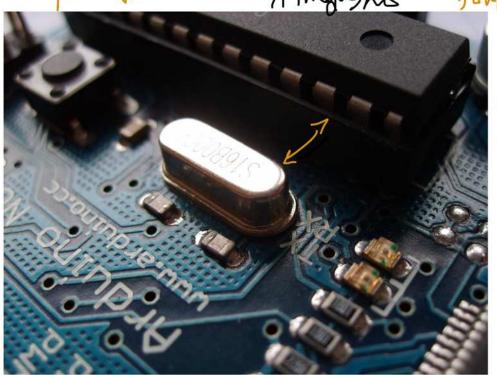
Graning no

ATMOSES

fort = 500 HZ , for = 8 MHZ

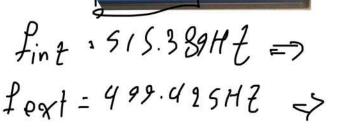


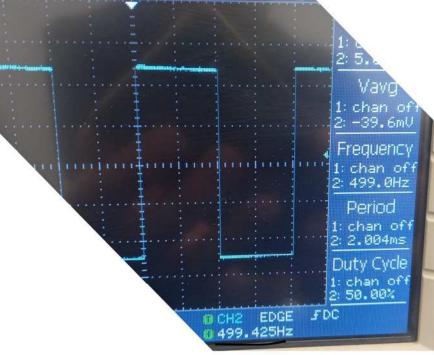
Internal

External

√ → ▼ 0.000s

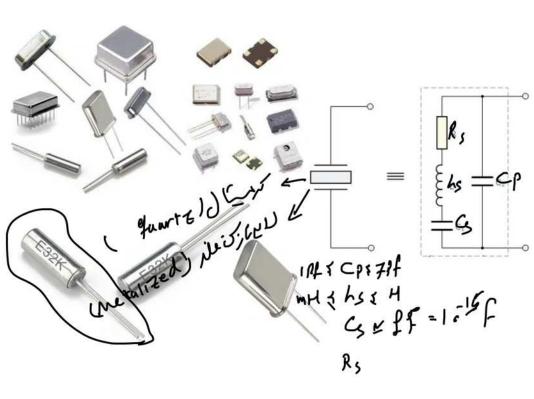




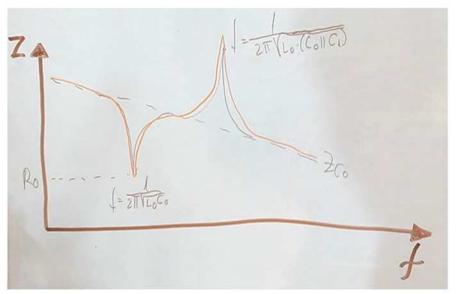


Trig&

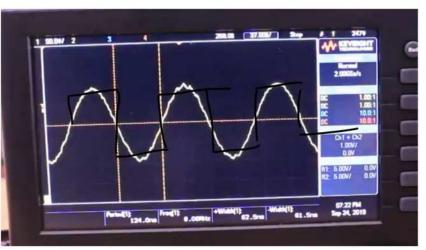
 $f_{N} = \frac{1}{2\pi \int_{L}}$ $= \frac{1}{2\pi \int_{L}}$ $= \frac{1065. H}{2}$ $= \frac{1065. H}{2}$ $= \frac{1}{2\pi \int_{L}}$ $= \frac{1}{2\pi \int_{L}}$

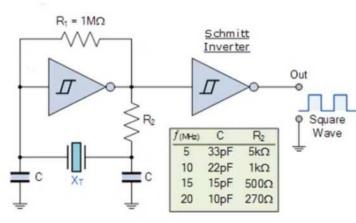














Typical oscillator loppn PPM: part per million (1.6) 86400 × 100 × 10-6= 8.64 Sec 8.64 St x 3 c minh = 259.2 = 4min + 19 SEE /month



watch oscillatar 2012pm 86400 x 20x lo-6 = 1.728 sec 1.728 Sec x 30 month = 61.88 Sec many x 91.85 month x 12 dow = 622.88 Sec = 10min + 22 sec / Your = lomin + 22 sec year



TCX0 = Temperature Compensated

Crystal ascillater 1PPM

86400 X | x 1.6 = 2.0864 Goc

O.0864 x 30 month = 2.692 Schunth

2.699 x 12 Jan = 31.104 Sec



OCAO = Oven Controlled

Crystal oscillator IPPB

86400 x | x | og = 86.4 mg x 30 month

=2.529 man x 12 worth = 31.104 xm

32.16 year



86400 X 0.00 | X | = 86.4 mg x 36 mm/h =2.929 mm/h x 12 der = 31.104 der 32160 Lence



Cesium a.0001 pp/3

8640 0 x 0.000 /x 1.-7 = 8,64 M/ x 3 minh
= 252.9 minh x 12 minh = 3.1104 Fem

=> 391502 yem
18ec

Atomic Clock with

CFE = -0.042(29-t)2 E: exerciting temp (°C)

Seed Time Clock Ineganery enour (PPM)

26 C
100 PPM

= 4mM + 19 SEC / manth

25 410 = 35°

CFE = -0.042(25-35)² = -4.2 PPM

184.2 PPM

\$ 86400 X 104.2 X 706 = 9 Sec / month

= 270 manth = 4min + 30 sec / month

+11 Sec