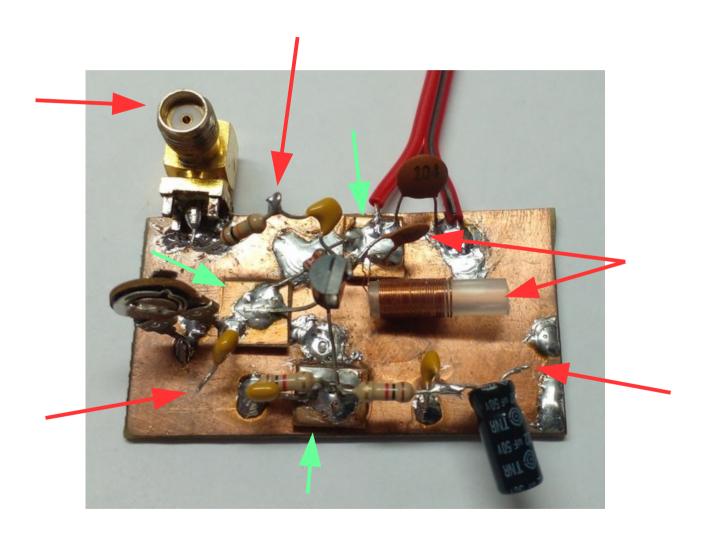


Fuente: nnnnnnnnnnnnnnnn

XXXXXXX:



XXXXXXX:

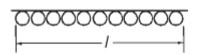
Mediciones:

- Resonancia del tanque LC.
- Oscilogramas. Indice de Módulación.
- Ancho de banda del modulador, con generador y OSC.
- Espectro con SA.

Inductores con nucleo de aire :

Fórmula de Wheeler:





r = the coil radius in cm,

l = the coil length in cm,

L = the inductance in microhenries.

I > 0.67*r*

$$L = \frac{0.394r^2N^2}{9r + 10l}$$

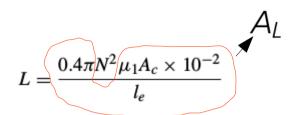
Ejemplo de cálculo:

r = 0.2 cm

I = 1 cm

N = 36 vueltas

<u>Inductores con nucleo toroidal:</u>



 $L = N^2 A_L$ nanohenries

$$N = \sqrt{\frac{L}{A_L}}$$

L = the inductance in nanohenries,

N = the number of turns,

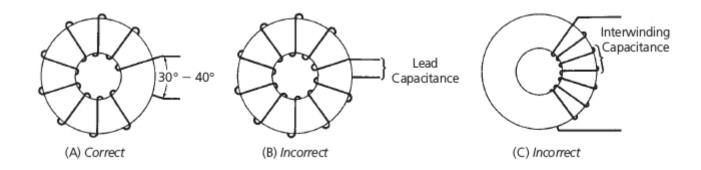
 $\mu_i = \text{initial permeability},$

 A_c = the cross-sectional area of the core in cm²,

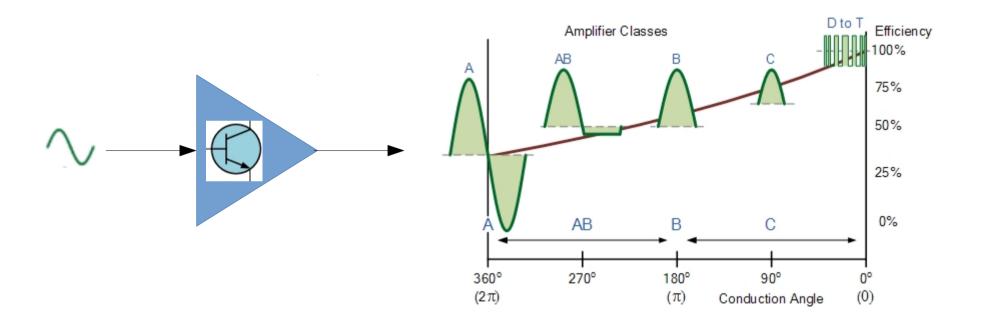
 l_e = the effective length of the core in cm.

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 A_L = the inductance index in nanohenries/turn².



XXXXXXX:



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