

TRANSEPTOR PEREGRINO
 RED DE SALIDA
 MAYO/2013

mini Ring Core Calculator 1.2

Info Tools Language (Sprache) Units Help

R μ Cu m inf ?

Ferroxcube	Unknown Cores	Air Cores
Iron Powder T .. - ..	Ferrite FT .. - ..	SIFFERIT

T50 - 6 Color Frequency Range 2 - 50 MHz
 $\mu = 8$ AL = 4.0 nH/N²

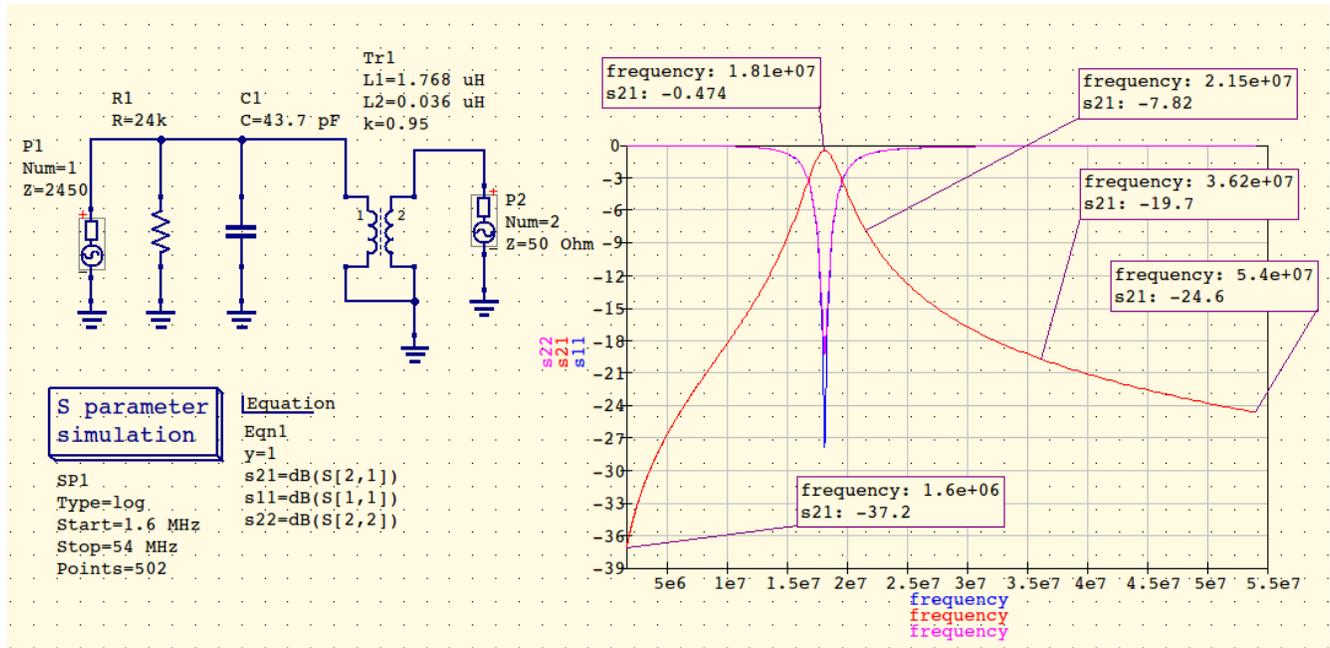
OD 12.70 mm ID 7.70 mm h 4.83 mm

Inductance 1.764 μH Turns 21 Length [wire] 31 cm max. D [wire] 1.00 mm

Application
 Frequency 18 MHz => XL = 199.504 Ω max. Flux 3.9 mT
 Voltage 70 V Flux 3.4 mT
 Core Loss 1248 mW/cm³ 0.46 W Temperature Rise 33 °C

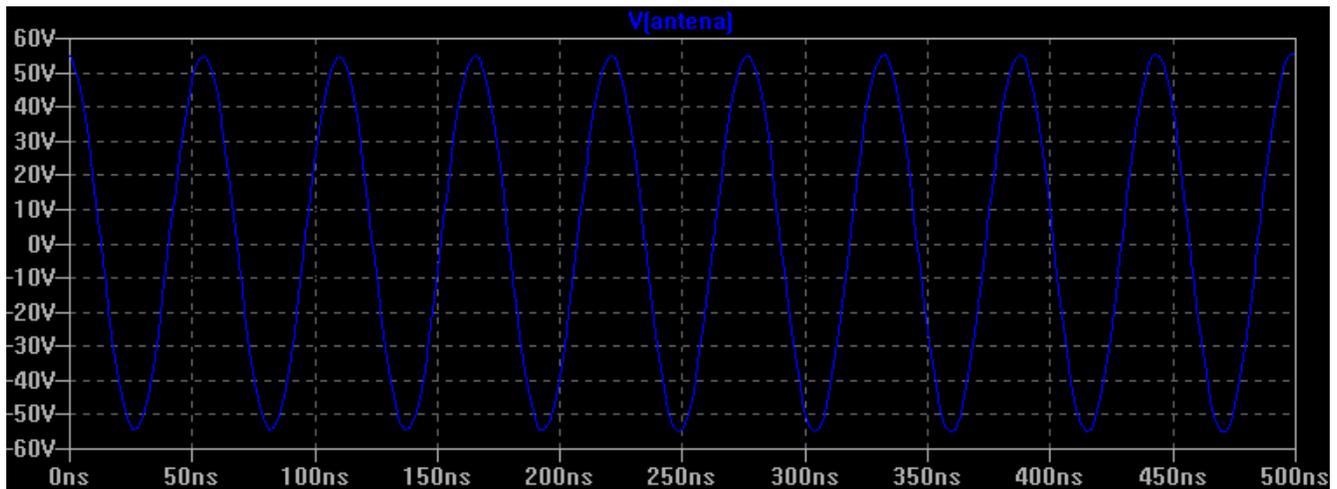
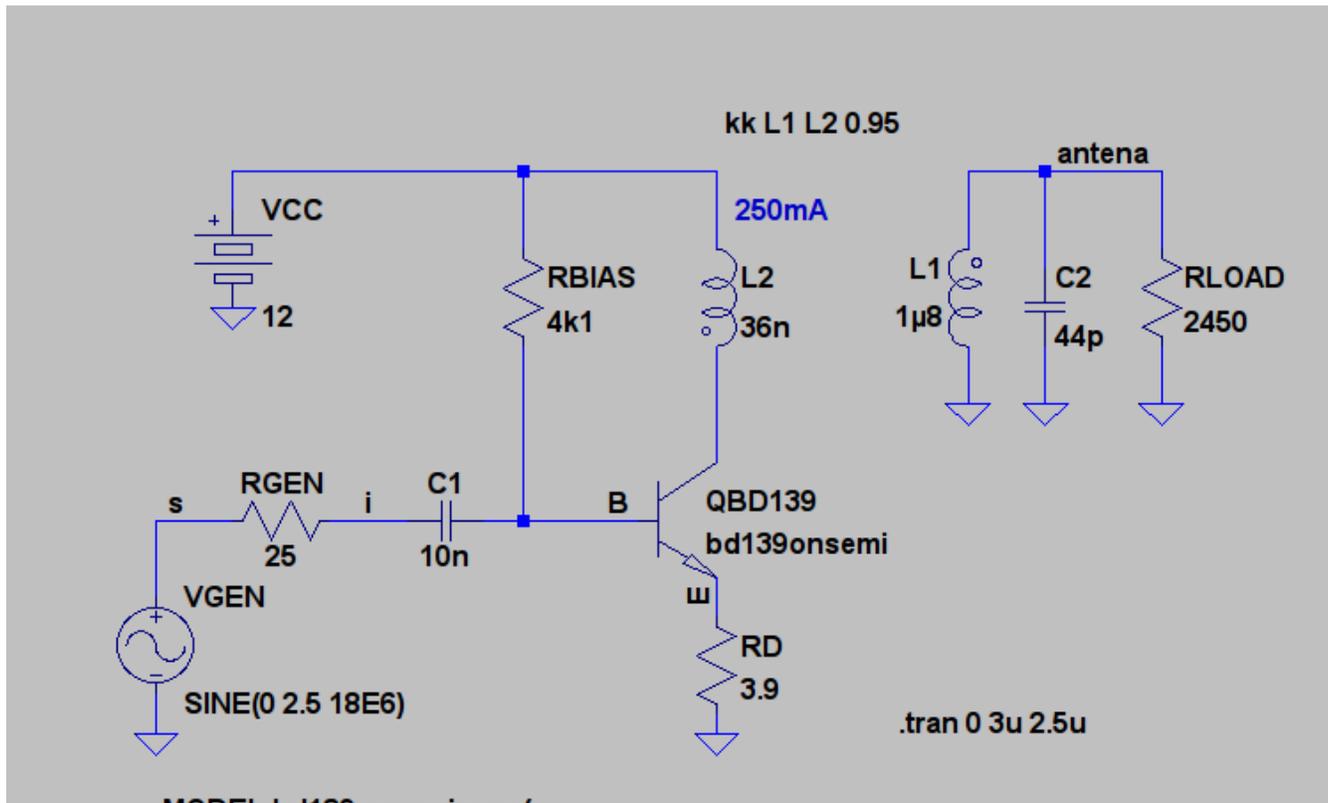
Calculating inductance by number of turns
 3 N 36.000 nH XL = 4.072 Ω

Supplier: AMIDON



Con hilo de 0.7mm en un nucleo T50-6 se dan 21+3 espiras.

Se hace resonar con un condensador variable de 6 a 60pF. A la mitad de recorrido se encuentra la resonancia.



Ok, la etapa de adaptacion de salida funciona.
<falta circuito de conmutacion TX a RX>