

# The Split-Flux Transformer V 1.0

## Datas :

L1 (Primary) : 1,9282mH  
N (Spires) : 331T

L2 (Secondary) : 400,87 uH  
N (Spires) : 90T

L3 (Secondary) : 393 uH  
N (Spires) : 90T

All ferrite core (from two old TV) are isolated physically from each other with cardboard.

**WARNING :** This replication is **WRONG** in terms of type of metal used (here ferrite cores are used for the SFT), you must use Metglas, Nanocrystalline (NANOPERM) or Permalloy cores. You must need a super high permeability for the core (like Metglas, Nanocrystalline or Permalloy cores with permeability > 5000). This was my first attempt and it is only for educational purposes. Permeability of the ferrite core is too low ! [Click here to see why.](#) Please consider also to use a wire gauge > 0.3mm. For example a good wire is a 0.7mm or more. Because in a thin wire, Resistance is important and you must have a very small Resistance in your wire.

## Construction :





