

# InkTube

Ink's fancy new old stock Vacuum tube amplifier.  
Based on the classic Dynaco ST70 Class B super-linear audio amplifier, the design features a pentode preamp, push-push Class B transformer coupled, double linearized output stage.

Built with modularity and expansion but also tradition in mind, the amp is entirely analog and free of disgusting semiconductors but has space in mind for adding a nixie tube-bargraph based digital VU meter and

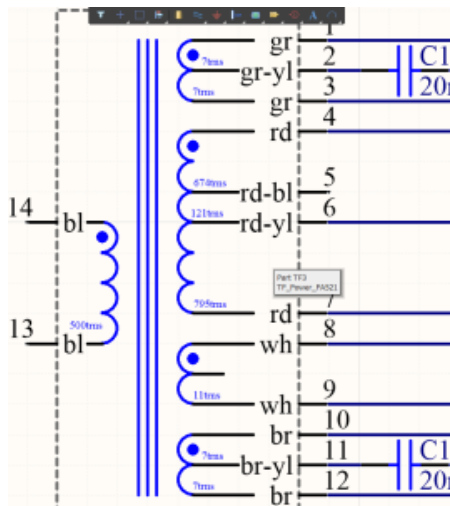
## Power Transformer Specs:

PA521 Specs:  
Primary:  
Blue to Blue 240V 50Hz @1A

Secondary:  
Green to Green 6V3 @2A w/ CT Green-Yl  
Brown to Brown 6V3 @2A w/ CT Brown-Yl  
White to White 5V @ 4A  
Red to Red 720V @300mA w/; CT Red-Yl and 55V Bias Red-BI

## Windings

Winding Diagram Cutout for the power Transformer:



(Values need to be verified )

## Modified Transformer Specs:

Primary:  
Blue to brown: 230V 50Hz @1A

Secondary:  
Green to Green 6V3 @2A w/ CT Green-Yl  
Brown to Brown 6V3 @2A w/ CT Brown-Yl  
White to White 5V @ 4A  
Red to Red 720V @300mA w/; CT Red-Yl and 55V Bias Red-BI

## Windings

### Primary

from	to	turns
blue	brown	530

### Secondaries

from	to	turns	old	Target Voltage @ 230V in
Filament				
grey1	grey-yl	7	7	3,15V
grey-yl	grey2	7	7	3,15V
Power				
red1	red-bl	703	674	305V
red-bl	red-yl	127	121	55V
red-yl	red2	830	795	360V
5V				
white1	white2	12	11	5V
Filament				
brown1	brn-yl	7	7	3,15V
brn-yl	brown2	7	7	3,15V
Total		1700 (~306m)		