Zaphod_phil wrote: That's an old layout for an SS-rectified SuperLite done by Maccabees, which someone has altered for 6V6s. Although Joe managed to get his amp working, there are a few things wrong with this layout as it stands:

- 220k sag resistor - should be 220 ohms
- missing power supply 220k bleeder resistor to ground
- preamp filter cap needs to be situated at preamp side of board
- 47k tail resistor in phase inverter, needs to be 22k for 6V6s
- optionally 820 ohm in PI may be 470 ohms for more drive to 6V6s
- power tube grid block resistors reduced from 8.2k to 1.5k. This is an unnecessary change IMO, which may make the amp over-bright, rather than a mistake as such.

Here is radstringz' latest correct SuperLite schematic, with my tonestack tweeks add (thanks to ncusack) - http://www.18watt.com/files/superlite_layout_new.jpg I recommend you use this layout, but with the 6V6 socket connections shown in the layout joe6V6 posted. Then change the power tube cathode resistor from 150 ohms to 250 ohms, and the 47k and the 820 ohm resistors in the PI to 22k and 470 ohms, respectively.

> **scottva59 wrote:**
>
> In the Dockery layout it specs 47K PI tail resistor for EL84s and 22K for 6V6, the 22k provides a bit more gain for the PI to help drive the 6V6s harder.

Yes, the 22k tail resistor is a must. Some folks have found that reducing the PI's cathode resistor from 820 ohms to a Plexi-style 470 ohms also gives better drive to the 6V6s and helps them "sing" more

scottva59 wrote: That's what I'm using with excellent results. "Sing" is a good word to describe it, this 6V6 version is my all time favorite to date.