
Subject: SE opt's

Posted by [PakProtector](#) on Wed, 09 Feb 2005 23:11:11 GMT

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Considering the standard applied to PP transformers with regard to a-a impedance and primary inductance, it amazes me how easy this is to sidestep for high Z SE. It is bad enough getting primary L w/o an air gap, let alone one to allow 130-140 mA of idle current. Put a U-L rigged 813 at ~700 volts and load it with a 5k:8 OPT and it will have a chance. $2\pi \cdot 20\text{cps} \cdot L$ to equal more than 7k is not too bad. 50-60 Hy will be adequate. I think I'll stay PP, 10k:8 is *EASY* and inexpensive (and I like PP better anyway so far). I'm thinking a little cathode feedback from a tertiary winding, a bit of plate-to-grid with the E-Linear driver, and I'll be in good shape. I can take a core with ~5 square inches of good Iron and get good 20-20 performance out of it to more than 60 watts. Been looking for an excuse to try the new amorphous C-Core. Probably best to R&D with M6 in the early stages. too many cool things to do, that's for sure. The 813 ought to be good practice for a PP amp running TX pentodes at 350W/plate dissipation...regards, Douglas
