
Subject: What's on second

Posted by [PakProtector](#) on Fri, 21 Jan 2005 02:27:06 GMT

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The PS choke is a bit on the expensive side. If we stick to a max of 20 mA load the Hammond 30 Hy/40 mA choke should do fine. I got the big one because I want to run 40-50 mA and need a bigger choke. Don't feel it is absolutely required...matter of fact I have heard 5687 sound good from a few mA on up. We do need to hit critical current for the choke input PS filter, so 7 mA per valve is probably a reasonable min. I wanted to get away from such a small window. Using the choke in a L-C filter requires de-rating its maximum current, 40 mA to ~25 seems reasonable. The PS with the custom power Iron will use two diodes. I suggested using the 6CA4 which is a pair of diodes in the same envelope, sharing a cathode(which we'd tie together anyway), and a 6.3vac/1A heater for its indirectly heated cathode. The high voltage winding will have its center tap grounded(probably best to attach directly to the capacitor, and do a single ground point, a.k.a. star grounding. This site keeps coming up when I search for a drawing. V1 and V2 can be a single valve(GZ34/5AR4 or 6CA4), or as drawn if you decide to use damper diodes, which come one diode to an envelope. The resistive load is of course substituted for our amplifier section. regards, Douglas

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