Subject: 5687 heater filtering
Posted by colinhester on Sun, 23 Jan 2005 00:46:07 GMT
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Is ther going to be any filtering between the heater elements and 6.3 tranny tap?

Subject: Re: 5687 heater filtering
Posted by PakProtector on Sun, 23 Jan 2005 01:55:23 GMT
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I have recommended a DC supply. It can be done CRC with the main transformer. I do recommend against this. It will be easier to isolate the signal B+ from what would almost certainly be a nooisy rectifier. It is ~$11 more for a solid filament specific TX from Radio Shack. The 12.6-0-12.6/2A would get run full wave with a pair of Schottky diodes and CRC filtering to deliver the 12.6 VDC to the filaments at a half an amp. RCRC might be better as the charging events(spikes of current delivery to the capacitor at the peaks of the voltage wave-form) of the first capacitor can spread themselves around and make things a bit dirty.I have tried AC on 5687 and while I get close to tolerable hum it never quite got quiet enough. It is 4x the current delivered to a 12AU7 and that valve is just able to run a llinestage on AC(with a lot of care, see the Bottlehead efforts in that arena).I had specified two heater windings to offer maximum flexibility for rectifier choices, not to run the ampifier's DC filament supply. I am sorry if this was not clear before. It saves a bunch of headache to keep the filament and B+ DC supplies as seperate as is possible.regards,Douglas

Subject: RCRC values
Posted by colinhester on Sun, 23 Jan 2005 03:19:23 GMT
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Yeah, I remember the Radio Shack TX now. What RCRC values to go with. Sorry to be a PITA, but I'm trying real hard to get my orders together. Do you need the ND2540s? If so, send me your full name and mailing address, and I'll have them sent out gratis.....Colin

Subject: Re: RCRC values
Posted by PakProtector on Sun, 23 Jan 2005 11:29:06 GMT
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R values are likely to be in the 1-3 Ohms. 2W/1R metal oxide film resistors are plenty cheap and

offer maximum tunability. Capacitance vlaues of 4700/25V will be safe, even if youtake out the tubes and V goes to root2*RMS.I appreciate the offer of MOSFETS, IFF when the project is done, there are extras, I'll still want to pay. Get extras anyway, it is possible that one or three get destroyed by accident and getting another order together would be troublesome. DN2540N5 are an item I do not like to be without, I have an adequate supply for my current needs. regards,Douglas

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Subject: Re: RCRC values
Posted by PakProtector on Sun, 23 Jan 2005 11:29:16 GMT
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Subject: YOOO-HOOOO moderator!
Posted by PakProtector on Sun, 23 Jan 2005 11:31:04 GMT
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pointing and clicking before morning stimulant dose, please delete this and my duplicate!

Subject: or give me a delete button...
Posted by PakProtector on Sun, 23 Jan 2005 16:05:46 GMT
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seems the latter would be a simpler choice and would allow me to take care of ridiculous mis-spelling, and other oversights....regards,Douglas

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