
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 noisy 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 amplifier'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 separate as is possible. regards, Douglas
