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Subject: Filament choke and filter scheme???

Posted by [Norris Wilson](#) on Thu, 03 Aug 2006 15:49:39 GMT

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Hi everyone, An uneducated question here. I am looking for advice from people who have had some experience with filament choke and filtering schemes for an amplifier front end or phono-pre use. I am looking for a good filtering scheme to reduce the ripple and to prevent negligible problems associated with such a filter. My question is based on a single stage AC heated 6SL7 in the front end of a P-P monoblock amplifier. The filament would be supplied by a separate transformer per stage. Would it be best to use a LCLC filter in one leg of the filament supply, with small hash chokes of 250uH, 20uF film caps AEON, and a variable resistor of small value? Or, use an LCLC in a common mode scheme with above chokes and capacitors? I am afraid that a large filter capacitor with a high ESR rating would cause some problems with high frequency noise and charging-timing issues. Any comments, or opinions about filament schemes are most welcome. Thanks Norris Wilson

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