
Subject: I'm Back.

Posted by [Manualblock](#) on Tue, 01 Feb 2005 01:53:19 GMT

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Douglas; I think I have isolated the disconnect here. You wrote; The ESR of the caps seem to make very little difference. The data is either available from the manufacturer or guess. Tens of mohms to tenth of an ohm seems reasonable for a lytic. We know what ESR is. I know what the meaning of mohms is; what I don't know is what the relevance of this information is to our situation. What exactly is it we are concerned with in relation to finding the ESR and determining the usefull range within the numbers you state. I can assume it has to do with the filter and voltage drawdown affecting the voltage needed from the transformer. Whether that is correct or not is unknown. We are hoping to find a middle ground between what seems obvious to you and what is not to us. I hope this helps to facilitate understanding. I think I speak for all in trying to find a common language point where we can meet. Remmember this is exciting and new to us but probably rather old hat to you, witness you are already two circuit iterations ahead of our little thing. The pre-amp you show is entirely a different animal from the Guinevere. So we are men of the world so I will be blunt. You are speaking too advanced for some of us and we are having difficulty following you. Not on the schematic; all of us have built things from schematics; but on the reason for the design descisions and changes you make. When you rattle off specifications for changes we need to know why those changes are made and what effect they will have on the behaviour of the circuit and signal. It's a tall order I know. I hope this helps because we really want this to succeed on all levels. I know you know we appreciate this immensely. so; Thanks and looking forward to a good run on this.

Subject: Re: I'm Back.

Posted by [PakProtector](#) on Tue, 01 Feb 2005 02:31:48 GMT

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Ok...a bit at a time. There is a block in PSUD in the capacitor specifications window(highlight the cap, right click and left click the 'Edit' box). I only mentioned it as a semi-unimportant piece of input data. I appreciate your asking little questions about details which are not spelled out adequately. I will share my design considerations and trade-offs as requested. Of ocure, if I am guessing out of my butt, I will also tell you of this. I do try to keep it to a minimum. For the DC filament supply, you can filter and drop voltage through a few resistors, or regulate with something like an LM317. I learned about those things with Google and the diagrams provide on the packaging Radio Shack sold them in. After a bit of wrestling with the unregulated stuff I am using in the new one, I do miss the adjustability of an LM317 with a pot in its voltage setting circuit. I also remember making a few mistakes with the first building with the LM317...so I suppose there is no free lunch, just different lines at the same register. We'll get there together, I'm sure of it. Especially if you keep asking questions. regards, Douglas

Subject: Re: I'm Back.

Posted by [Manualblock](#) on Tue, 01 Feb 2005 11:27:40 GMT

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Thanks Douglas; I knew we could count on you.
