
Subject: Re: Awesome discussion!

Posted by [akhilesh](#) on Sat, 22 May 2004 14:58:05 GMT

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Again, great posts from you gurus! This explains: a) why the power caps in the ASUSA amp i just bought (and which is sounding really good now btw, maybe the cheap sovtek el84 output tubes i got with it were new & needed to break in!) has small caps in parallel with the larger electrolytic caps. I thnk the person who built it really did try to get the most from this little amp, and it sounds good!Also, i built the cheap (\$139) kit from antique sound a while back, and it uses a REALLY cheap full wave rectifier (all diodes in one small block, costs \$3 or so at antiue sound) along with two really cheap power caps, and it's dead silent!My impression is that silence is not the only benefit of a good power supply: a clean DC will also lead to better sound? Or is dirt in the power supply ALWAYS translated as hum?Finally, from a pragmatic standpoint, what i have learnt is: Use a tube or a full wave FRED rectifier, along with a CLC filter, with fast caps in parallel with the electrolytic caps, or use blackgate/cerafine. Coorrect me if i am mistaken! This knowledge itself is very useful for us newbie amp hobbyists.thanx-akhilesh
