Subject: It's alive.....Alive!!!!
Posted by PakProtector on Sat, 08 Oct 2005 21:48:47 GMT
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Hey-Hey!!!,I got the 1:1 linestage up and running. AC to the 5687's heater no less. While waiting for Mouser to deliver parts for the DC supply(60,000 uF of Low-Z caps, Schottky diodes and somemisc bits for the rest), I hooked it up.The buffer is a hybrid cascode with IRF820 MOSFET's and a section of 5687 running at 15 mA. This faux pentode has some seriously flat "plate" lines, so I went with a single stage of B+ filtering.Output is through a 1:1 80% Nickel TX by Intact Audio. .004" gap for 15Hy of primary L.I ran a $2.99 RadioShack Alps pot for the volume control. It sounds quite good. The low gain removes the principle complaint with those cheap pots: tracking mismatch. Compared to the previous active design(with gain), this one is a bit cleaner. Slightly less euphonic perhaps. The active loaded 12B4 is not very colourful tube, and that's part of the reason I like it so much. The buffer circuit is a step cleaner. How much from the cascode buffer circuit, how much from the high perm, bifilar output TX's? I have got to say I am pleased with it. If not for the Nickel outputs, this would be quite inexpensive. No DC filament requirement, single stage L-C filter for B+. It is quiet...on AC no less. That one was a very pleasant suprise. The 6754 allows a full warm up of the 5687 before bringing on the B+ slowly enough to make a damper diode jealous. cheers,Douglas

Subject: Re: It's alive.....Alive!!!!
Posted by Wayne Parham on Sat, 08 Oct 2005 22:23:55 GMT
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Sweet!

Subject: Re: It's alive.....Alive!!!!
Posted by lord on Thu, 01 Apr 2010 20:48:51 GMT
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Hello, I also do a hybrid amplifier, works great, even better than usual!
http://tehnic.ucoz.ru/publ/gibridnyj_unch_luchshee_ot_lamp_i_tranzismtorov/1-1-0-7