Subject: front end gain
Posted by PakProtector on Fri, 13 Jan 2006 21:30:42 GMT
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Hey-Hey!!!,Using the traditional gm*R_load and then divide by two and we'll arrive at an answer.gm is going to be ~10 mA/V; R_load is 10k or gain of 100. Divide by two for the differential circuit, and we get V/V of 50 per phase. Looks like a little more than a volt to deliver the 60V or so to the 2A3 grid. We could try a lower load and take a bit away, but remember to raise the g2 the correct amount to keep a nice clean area to work the load through. The 12BY7 is a nice tube, and the required data to make these g2 voltage determinations is available. I am tempted to try its DH cousin...:)cheers,Douglasremember also that the grid choke is going to offer an eliptical load at the LF extreme. Lowering the load (to lower numeric) would alleviate that sort of behaviour a bit.