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Subject: Merlin front end simple-er

Posted by [PakProtector](#) on Sun, 18 Dec 2005 12:36:55 GMT

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Hey-Hey!!!, Since all the E-Linear S265Q should be delivered by Monday, there are a few options on the complex looking front end. First is to wait while a PCB is developed for the V2. This is what I am currently listening to, but it looks intimidating on paper...:) Second is a pair of pentodes. EF184, 6AC7 (mmmmhhhhh...octal!), 6AU6 or 12BY7 come to mind. This option leaves a single CCS for the cathodes, and g2 done with dropping R and cathode coupling cap. Probably a few uF required. Third would be to use a voltage divider for the upper gate. Keep the gate cathode node coupled with a cap, similar to the pentode mode. Haven't tried this one, since the MOSFET's no longer look so complicated. Just size the voltage divider to run a mA or so, and keep the low-pass R-C at something below 15 cps. I am putting a few of these to paper and pdf, so look at projects on Monday. Probably going to include a few on cascode plate curves...:) cheers, Douglas

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