Subject: 4-transistor linestage
Posted by Thrint on Wed, 17 Aug 2005 23:54:22 GMT
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OK, back to the MOSFET cascode buffer. Some nice cascode properties: very low input capacitance. THe lower device is screened by the upper, and it (globally) is acting as a buffer/source follower.Instead of rigging the lower gate to the current set resistor(as in a CCS), it is the input from the volume control. Current is regulated by a full-circuit CCS on a negative rail. +/- 25 volts should be adequate.5-10 uF of coupling cap, and at low voltage.Always wandered what a good L-C filter in a SS amp's power supply would do. Of course, we'll need two of them for the bi-polar rails.Of course, we'll do rectification with vacuum diodes, preferably IDH cathodes, like 6AX4's.The trouble is that my sleeve of DN2540N5 MOSFET's dissappeared in my move....:(along with my coffee can full of salvaged photo flash caps from disposable cameras.regards,Douglas