

# sn ag

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If one is designing a simple cathode-biased triode, voltage-gain stage of the type shown in the first diagram, the designer is usually faced with choosing a cathode bypass capacitor in order to maximise gain. If the cathode resistor is left unby-passed, negative current feedback will limit the available gain of the stage to some minimum value. Typically this is a simple matter of using an arbitrarily large value of capacitance to ensure proper cathode decoupling well below audible frequencies.