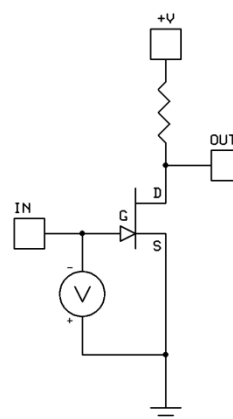
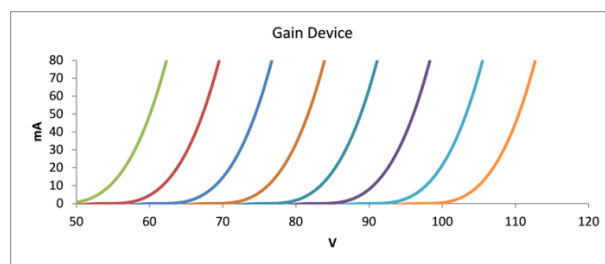


LuminAria SIT Preamp Preview

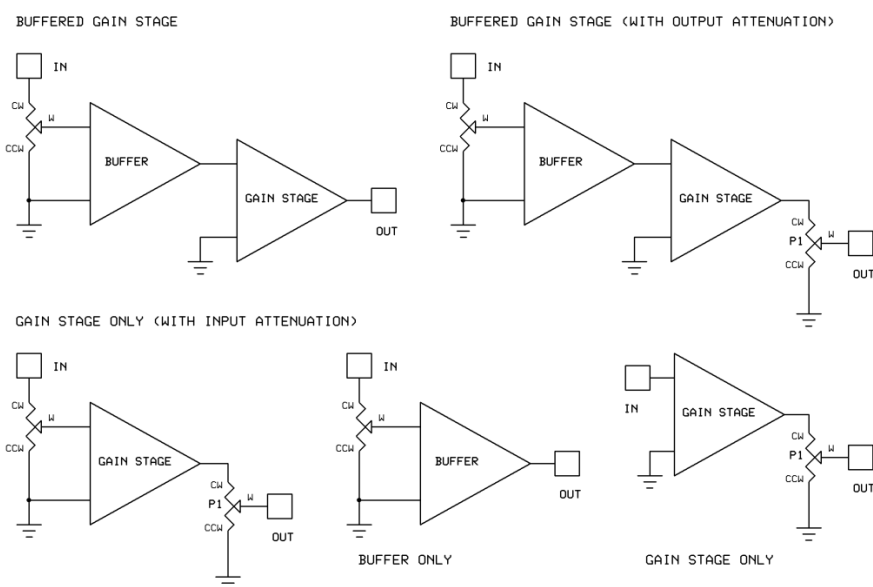
- Single SIT transistor gain device (buffer stage can be bypassed)
- No feedback (really, no loop or degeneration)
- Minimalist resistor loaded circuits
- Input and output level controls
- Maximum output level: 28Vpk
- Gain: 17dB
- Noise: -110dB below 5V A-weighted
- Output impedance (direct): <100 Ohms
- Output impedance (w/level control): 0 to 1500 Ohms
- Frequency response: -0.2dB @ 16Hz, -0.0db @ 100 kHz
- THD: .006% 1Vrms @ 1kHz (doesn't rise w/frequency)
- Active devices ?: You have to wait for the article 😊. They're obtainable.
- Sure, it will drive F4, etc.
- Printed circuit boards
- Sweet spot adjustment
- More fun than a barrel of monkeys



CONCEPTUAL SCHEMATIC



CONFIGURATION OPTIONS



By Mike Rothacher (other project articles at www.diyaudio.com & www.passdiy.com)

Thanks for looking. Have fun.