

Tube Compressor

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Potentiometer R19 sets the compression level, while the output level is determined by R20. The signal from R19, amplified by V4B and rectified by diode BR1, charges capacitor C8 during compression. C8 then discharges through the resistors R1, R2, and R24. The time constant for charging and discharging is approximately 10mS.

BALANCED OUTPUT OPTION

If you prefer to have balanced outputs, add another cathode follower from the left anode of tube V3. The input signal to the compressor should be in the 0.1V–1V range. If you'd rather not use a line transformer at the input, you can use op amps to balance the signal instead. The power supply, presented in *Fig. 2*, shows the filaments connected two-and-two in series to the 12.6 volt. ♫

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