



All resistors 1%, $\frac{1}{4}$ W metal film.
 C1-C3: 25 V aluminum electrolytic.
 C4-C8: ceramic, X7R, 25V
 C9: polymer dielectric, 25V

Q1, Q2, Q5: Transistor, universal, NPN.
 Q4: Transistor, universal, PNP.
 Q3: Any PNP pair with 1 mV or better Vbe matching.

U1: TL431BP
 U2: Generic JFET-input op amp with 24V or greater supply span.
 LF411 may be substituted for TL071, and many other types should also work.
 U3: Single comparator with open-collector or open-drain output.



Episode 8
 Exploring Analog Audio Synthesis
Kludges from Kevin's Cave

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