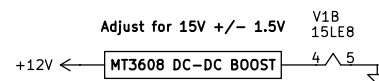
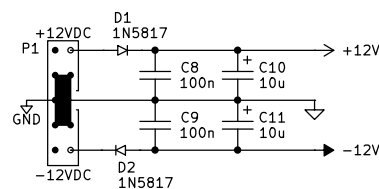


6LE8 HEATER REQUIRES 6V AT 760mA.

The schematic diagram illustrates a vacuum tube audio amplifier circuit. The input signal, labeled "INPUT", enters through connector J1 and is coupled to the grid of the vacuum tube V1A (15LE8) via a 100nF capacitor C1. A 1 MEG resistor R1 is connected from the input line to ground. The control grid of V1A is biased through a 500K resistor VR4, which is connected to a -12V supply. A 100nF capacitor C5 is connected from the bias line to ground. The screen grid of V1A is connected to a +12V supply through a 1.5 MEG resistor R3. The signal grid of V1A is connected to a +12V supply through a 1.5 MEG resistor R3. The output of the vacuum tube is taken from the plate, which is connected to a 100R resistor R2 to ground. The plate is also connected to a 47uF capacitor C4, which is coupled to the non-inverting input of an op-amp A1 (TL071). The op-amp is configured as a voltage follower, with its output connected to the input. The op-amp is powered by a +12V supply and a -12V supply. The output of the op-amp is connected to the output connector J2 via a 100nF capacitor C6. A feedback path is provided by a 100nF capacitor C7, connected from the output to the inverting input of the op-amp. The feedback path is controlled by a switch SW1. The circuit also includes a "MODULATION IN" section with two input connectors J3 and J4, each with a 1 MEG resistor (R4 and R5) to ground and a 100nF capacitor (C3 and C2) to the input line. A "FOLD" control is implemented with a 100K resistor VR2, which can be switched to ground or to the input line.



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