

Western Electric Company

No. 124-F AMPLIFIER



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The 124F is a dual purpose three stage high quality Monitoring Amplifier for operating loud speakers. It has two input circuits each with its own gain control. One input is for line or bus level inputs with facilities for 600 ohm matching or for bridging connection. The other input is for low level sources such as a microphone. The amplifier has self-contained power supply for operation from AC.

Typical Electrical Characteristics

Gain—Line Input: 60 db (600 ohm Matching Connection)
47 db (20000 ohm Bridging Connection)
Low Level Input: 104 db
Gain Control—Line Input: 20 db in 1 db steps
Low Level Input: 35 db continuously adjustable
Frequency Characteristics—Uniform within ± 1 db over the range 35 to 15000 cycles
Operates from Line Input: 600 ohms Nominal impedance (Matching or Bridging)
Low Level Input: 15 to 250 ohms (See External Connections)
Operates into 1 to 1200 ohms nominal impedance
Output Power: 12 watts as shipped, 20 watts available
Output Noise: 8 db below .001 watt, unweighted, under maximum gain conditions (signal approx. 50 db above noise)
Power Supply: 105-125 volts, 50-60 cycles 1.25 amperes, 125 watts maximum

Apparatus Description

Dimensions—19-5/32 inches wide, 7 inches deep and 7 inches high (Panel Space)
Weight—Approximately 20 pounds
Finish—Chassis—Bright Aluminum lacquer
Mat—Black Japan, coded 124F-3
Dark Aluminum Gray, coded 124F-15

Instruction Bulletin No. 1100P

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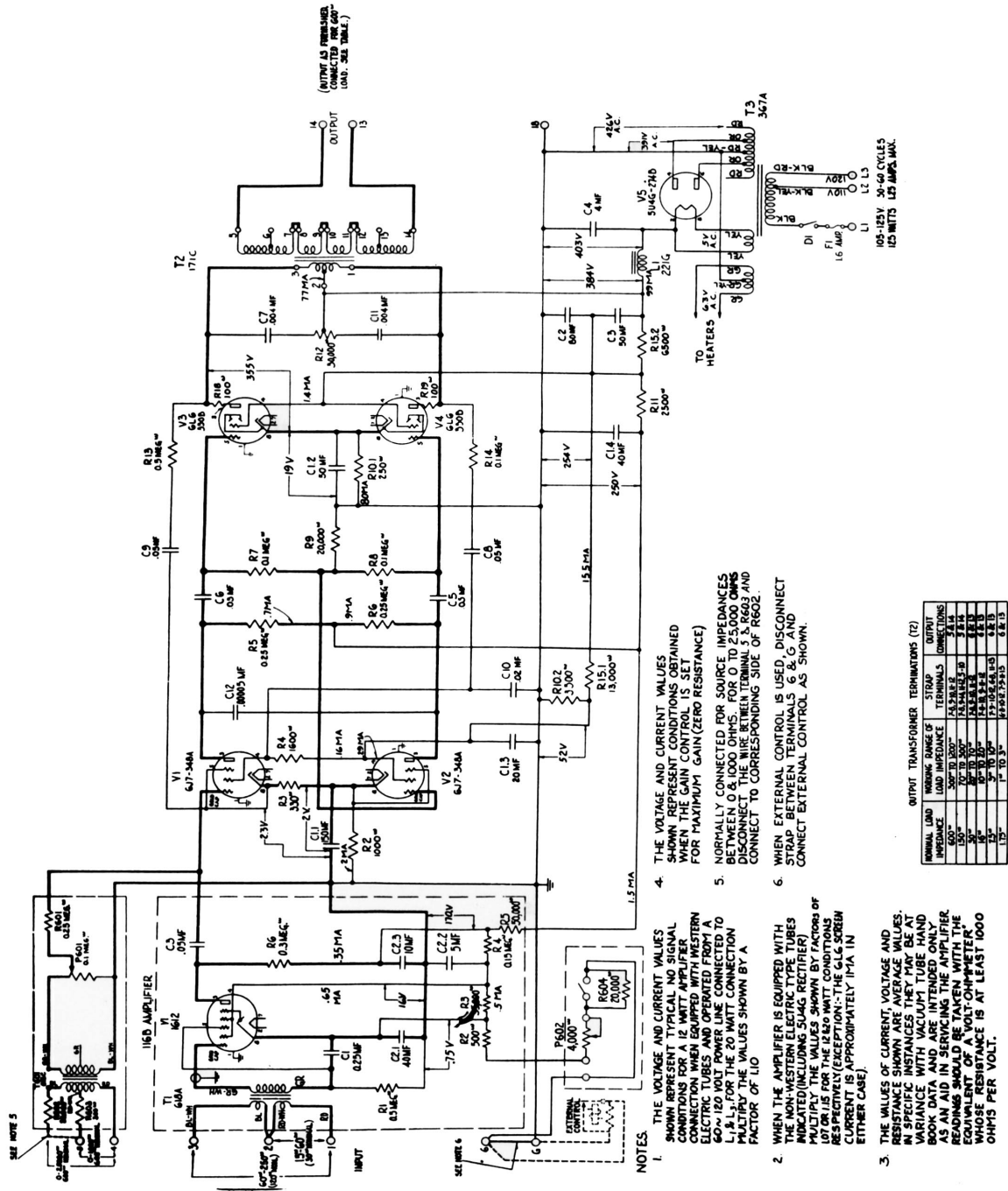


Figure 3—Schematic