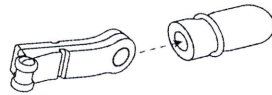




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**DC-1A**  
18920G-04

**AMPLIFIED DYNAMIC MICROPHONE - MODEL DC-1A**

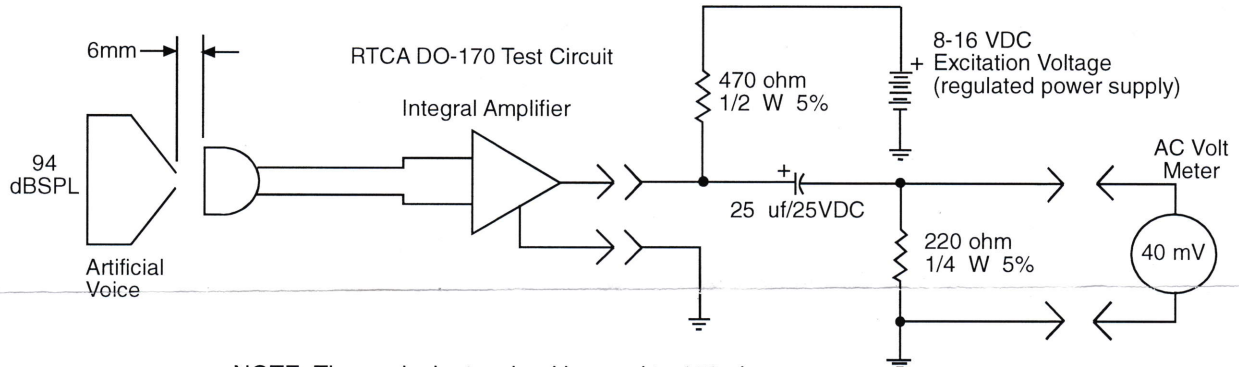
The David Clark Company Amplified Dynamic Microphone is a noise cancelling type designed to operate in place of carbon and amplified dynamic microphones. This microphone will not operate in circuits that do not supply a DC bias voltage. Most modern aviation communications equipment do supply this required voltage. If you are not certain, consult your radio technical manual or with your avionics shop.

**NOTE**

We strongly recommend that the master gain control located within the radio be optimized by a competent avionics or radio technician whenever adding a new model microphone. The David Clark Company Incorporated Model DC-1A Microphone is designed to conform to guidelines set forth by The Radio Technical Commission for Aeronautics.

**SPECIFICATIONS – MODEL DC-1A (P/N 18920G-04)**

1. DC supply voltage and source resistance: 8 to 16 volts, 220 to 2200 ohms—**not polarity sensitive**.
2. Output voltage of 40 mV, +/- 3dB 1000 Hz for 94 dB SPL (re: .0002 microbar) input, as a function of DC source resistance and AC load impedance:



NOTE: The equivalent ac load is equal to 150 ohms.

3. Frequency response: designed for optimum speech intelligibility and noise cancellation.
4. Ambient noise level: Communications can be carried on in noise levels up to 120 dB SPL (re: .0002 microbar) with adequate signal to noise ratio. Microphone must be zero to 1/8" from lips at corner of mouth for best signal to noise ratio (maximum noise cancellation).