ELECTRON TUBE DATA SHEET WESTERN ELECTRIC 376B ELECTRON TUBE



DESCRIPTION

The 376B is a three-electrode, inert-gas-filled, cold cathode tube for use in relay, voltage regulator or rectifier circuits. This tube is especially suitable for use in control circuits such as in triggering, counting, or switching apparatus requiring a high current rated tube.

MAXIMUM RATINGS

Peak Anode Voltage		•							275 volts
Average Cathode Current .				•				20	200 milliamperes
Average Life, Approximate			•		•	•	•	1.0000	10 hours

File: Cold Cathode Section

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MAXIMUM RATINGS, Absolute Values
Inverse Peak Anode Voltage
Peak
Forward
ELECTRICAL DATA, Throughout Life Min. Bogey Max.
Starter Breakdown Voltage
MECHANICAL DATA
Mounting Position

- * Limit applies immediately after tube has conducted current. If tube has been idle, this value initially may be as much as 3 volts higher or lower.
- Note 1: Sufficient resistance must be used in series with the tube to assure that the electrode currents do not exceed their maximum rated values.
- Note 2: With 15 volts starter overvoltage (15 volts above Starter Breakdown Voltage) with tube in total darkness.

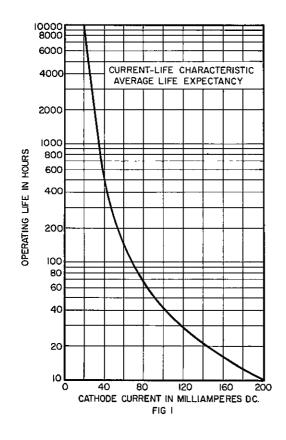
HANDLING

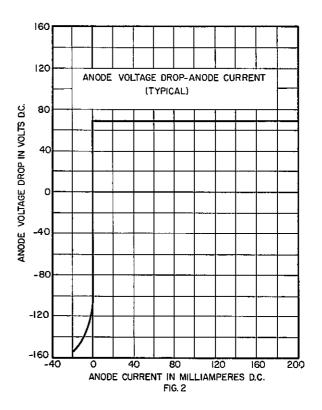
Western Electric cold cathode tubes contain a minute amount of radium bromide which is a radicactive material. The amount in most types is too small to require any special care in use, handling or disposal.

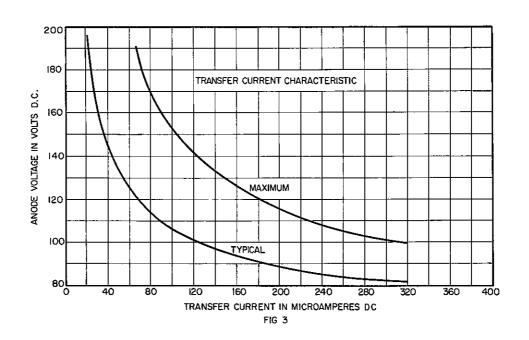
A few types contain a larger quantity of radium bromide in which the radium approximates that found on a luminous watch dial. These types bear a red three-bladed propeller-shaped symbol on the tube envelope. Instructions for handling such tubes are given below and also in Bell System Practices for Central Office raintenance.

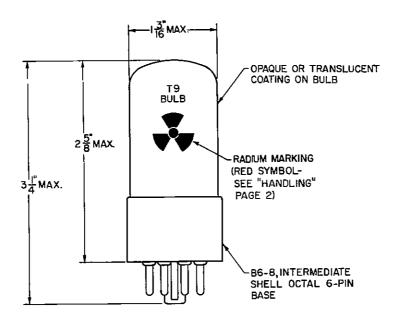
Installations ordinarily require no precautions against radiation. However, quantities of the tubes should not be so installed, or so stored outside the shipping carton, that they will be within a few inches of personnel or in proximity to photographic film for extended periods of time. For example, however, a 40-hour week exposure at about one (1) foot from a bank of 500 tubes (covering an area of 20 inches x 45 inches) is well within the accepted tolerance limits for personnel. Reasonable care should be exercised in handling and disposal of broken tubes. In general, attention should be given to the following:

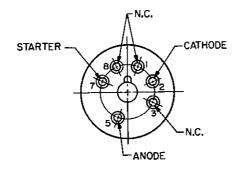
- (a) Avoid breathing dust or vapors from broken tubes.
- (b) Avoid contacting broken parts with bare hands.
- (c) Use wet rag to pick up broken parts. Wrap broken parts in rag and tie securely so as to form a package. Thoroughly wash hands after disposal.
- (d) Dispose of broken or defective tubes as they are taken out of service. One or two tubes at a time may be disposed of with normal waste material Accumulation of tubes in one concentrated area of the place of final disposition should be avoided.











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