

# Cunningham

READ  
CAREFULLY

## C-327

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Cunningham C-327 is a General Purpose tube containing a heater element which permits operation from alternating current. It is designed for use either as a Detector or as an Amplifier in AC radio sets operating from the light socket.

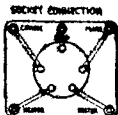
|                           |      |                        |             |                   |   |   |   |   |   |              |
|---------------------------|------|------------------------|-------------|-------------------|---|---|---|---|---|--------------|
| HEATER VOLTAGE -          | -    | -                      | -           | -                 | - | - | - | - | - | 2.5 VOLTS AC |
| HEATER CURRENT -          | -    | -                      | -           | -                 | - | - | - | - | - | 1.75 AMPERES |
| DETECTOR PLATE VOLTAGE -  | -    | -                      | -           | -                 | - | - | - | - | - | 45 VOLTS     |
| AMPLIFIER PLATE VOLTAGE - | 90   | 135 VOLTS              | For General | 180 VOLTS Maximum |   |   |   |   |   |              |
| AMPLIFIER GRID VOLTAGE -  | -4.5 | -9 VOLTS/Amplification | -13.5 VOLTS |                   |   |   |   |   |   |              |

*The heater in this tube should be operated at its rated value of 2.5 volts.*

A plate voltage of 90 volts used with a negative grid bias of 4.5 volts, or a plate voltage of 135 volts used with a negative grid bias of 9 volts, is recommended for general amplification either in the Radio Frequency stages or in the intermediate Audio stages.

For the last Audio stage, a Power Amplifier tube is recommended for best loudspeaker results. If, however, Cunningham C-327 is used, 180 volts may be applied to the plate and negative 13.5 volts to the grid, in order to avoid distortion.

In some circuits, biasing of the heater approximately 9 volts negative with respect to the cathode may be beneficial for best operation. A heater-cathode bias higher than 9 volts is not recommended.



A TECHNICAL BULLETIN  
on this tube is available upon request.

Handle  
Tube  
Carefully

RC-32997 (1-29)

E. T. CUNNINGHAM, INC.

THIS TUBE  
is  
GUARANTEED  
to be

FREE FROM ELECTRICAL AND MECHANICAL DEFECTS

It has  
PASSED THE MOST RIGID TESTS BEFORE SHIPMENT

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If this tube does not give the service you have a right to expect, please return it to the dealer from whom it was bought, for test and examination at the Cunningham Service Station. Please tell the dealer when the tube was bought, the make of radio set in which it was used, the voltage at which it was operated, and the circumstances under which it failed to give successful and satisfactory service.

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