

Cunningham

READ
CAREFULLY

C-327

READ
CAREFULLY

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

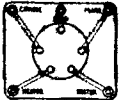
The heater in this tube should be operated at its rated value of 2.5 volts.

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.

SECRET INSTRUCTION



RC-32997 (1-29)

A TECHNICAL BULLETIN
on this tube is available upon request.

Handle
Tube
Carefully

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

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.

LICENSE NOTICE

The sale of this device carries a license under patent claims on the device itself but only for (1) talking machine uses, (2) radio amateur uses, (3) radio experimental uses and (4) radio broadcast reception; and only where no business features are involved.

The sale does not carry a license under patent claims on combinations of the device with other devices or elements, as for example in various circuits and hook-ups, except only (1) for legitimate renewals and repairs in apparatus and systems already licensed for use under such patent claims on combinations, (2) for assembling by amateurs and experimenters, and not by others, with other licensed parts or devices, or with parts or devices made by themselves, but only for their own amateur and experimental radio uses where no business features are involved, and not for sale to or for use by others, and (3) for use with licensed talking machines and licensed radio broadcast receiving devices; and only where no business features are involved.

Manufactured and sold under rights, patents, and inventions owned and/or controlled by Radio Corporation of America.