

## RCA-26

## **AMPLIFIER**

The 26 is an amplifier tube containing a filament designed for operation on alternating current. This tube is for use as an r-f or a-f amplifier in equipment designed for



its characteristics. The 26 is not ordinarily suitable for use as a detector or power output tube.

## **CHARACTERISTICS**

| FILAMENT VOLTAGE (A. C. or D. C.) |      |      | 1.5     | Volts        |
|-----------------------------------|------|------|---------|--------------|
| FILAMENT CURRENT                  |      |      | 1.05    | Amperes      |
| PLATE VOLTAGE                     | 90   | 135  | 180 max | . Volts      |
| GRID VOLTAGE*                     | -7   | -10  | -14.5   | Volts        |
| PLATE CURRENT                     | 2.9  | 5.5  | 6.2     | Milliamperes |
| PLATE RESISTANCE                  | 8900 | 7600 | 7300    | Ohms         |
| AMPLIFICATION FACTOR              | 8.3  | 8.3  | 8.3     |              |
| Transconductance                  | 935  | 1100 | 1150    | Micromhos    |
| GRID-PLATE CAPACITANCE            |      |      | 8.1     | μμf          |
| GRID-FILAMENT CAPACITANCE         |      |      | 2.8     | μμf          |
| PLATE-FILAMENT CAPACITANCE        |      |      | 2.5     | щf           |
| BULB                              |      |      |         | ST-14        |
| Base                              |      |      |         | Medium 4-Pin |
|                                   |      |      |         |              |

<sup>\*</sup> Grid voltage measured from mid-point of a-c operated filament.

## INSTALLATION AND APPLICATION

The base pins of the 26 fit the standard four-contact socket, which should be installed to hold the tube in a vertical position.

The coated filament of the 26 should be operated at the rated voltage of 1.5 volts from the acc line through a step-down transformer.

As an amplifier, the 26 should be operated as shown under CHARACTERISTICS.

