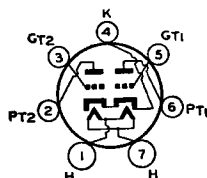
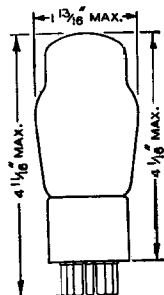


# RCA-53

## CLASS B TWIN AMPLIFIER



The 53 is a heater-cathode type of tube combining in one bulb two high- $\mu$  triodes designed for Class B operation. It is intended primarily for use in the output stage of a-c operated radio receivers. The triode units have separate external terminals for all electrodes except the cathodes and heaters, so that circuit design is similar to that of Class B amplifiers utilizing individual tubes in the output stage. The 53 may be used as a Class A<sub>1</sub> amplifier (with triode units connected in parallel) to drive a 53 as a Class B amplifier in the output stage.

### CHARACTERISTICS

HEATER VOLTAGE (A. C. or D. C.).....	2.5	Volts
HEATER CURRENT .....	2.0	Amperes
BULB .....		ST-14
BASE .....		Medium 7-Pin

Other characteristics of this type are the same as for type 6N7.

### INSTALLATION

The base pins of the 53 fit the seven-contact (0.855 inch pin-circle diameter) socket which may be installed to hold the tube in any position. Sufficient ventilation should be provided to circulate air freely around the tube to prevent overheating.

For heater operation and cathode connection, refer to type 2A5.

### APPLICATION

For APPLICATION refer to type 6N7. Additional curves are shown under types 6A6 and 6N7.

