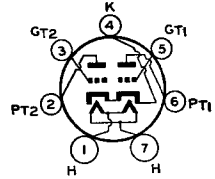


# RCA-6A6

## CLASS B TWIN AMPLIFIER



The 6A6 is a heater-cathode type of tube combining in one bulb two high- $\mu$  triodes designed for Class B operation. 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 two tubes in the output stage. The 6A6 may also be used as a Class A<sub>1</sub> amplifier (with triode units connected in parallel) to drive a 6A6 as a Class B amplifier in the output stage.

### CHARACTERISTICS

HEATER VOLTAGE (A. C. or D. C.).....	6.3	Volts
HEATER CURRENT .....	0.8	Ampere
BULB .....		ST-14
BASE .....		Medium 7-Pin

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

### INSTALLATION AND APPLICATION

The base pins of the 6A6 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 prevent overheating.

The heater is designed to operate at 6.3 volts. In a series-heater circuit employing several 6.3-volt types and one or more 6A6's, the heaters of the 6A6's should be placed on the positive side. Furthermore, since most 6.3-volt types have 0.3-ampere heaters, a bleeder circuit across these heaters is required to take care of the additional 0.5-ampere heater current of the 6A6's. Each 6.3-volt tube of the 0.3-ampere type in the series circuit should, therefore, be shunted by a bleeder resistance of 13 ohms.

Refer to APPLICATION on type 6N7, and additional curve under type 53.

