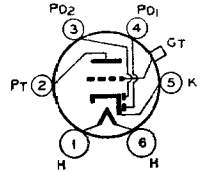


# RCA-55

## DUPLEX-DIODE TRIODE

The 55 is an a-c heater type of tube consisting of *two diodes* and a *triode* in a single bulb. It is recommended for service as a combined detector, amplifier and automatic-volume-control tube.



### CHARACTERISTICS

HEATER VOLTAGE (A. C. or D. C.).....	2.5
HEATER CURRENT .....	1.0
BULB .....	
CAP .....	
BASE .....	

Volts  
Ampere  
ST-12  
Small Metal  
Small 6-Pin

Other characteristics of this type are the same as for type 85.

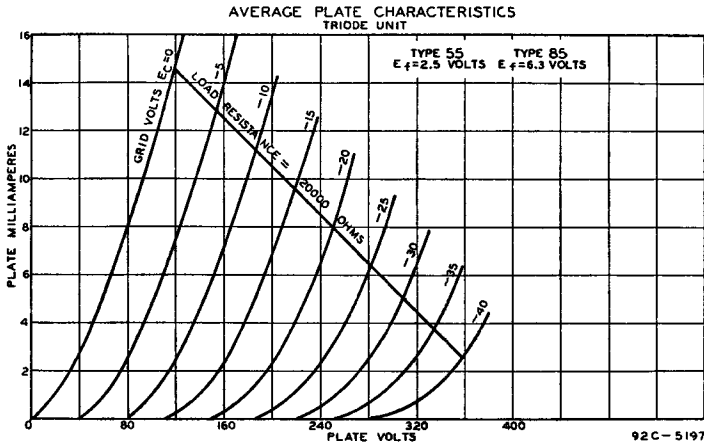
### Diode Units

Two diode plates are placed around a cathode, the sleeve of which is common to the triode unit. Each diode plate has its own base pin. Operation curves for the diode units are given under type 6B7.

### INSTALLATION AND APPLICATION

The **base pins** of the 55 fit the standard six-contact socket, which may be installed to hold the tube in any position. For **heater** operation and **cathode** connection, refer to **INSTALLATION** under type 2A5. Complete **shielding** of detector circuits employing the 55 is generally necessary to prevent r-f or i-f coupling between the diode circuits and the circuits of other stages.

For **APPLICATION**, refer to type 85, and to the chart of the Resistance-Coupled Amplifier Section. Circuits using the 55 are given under type 85.





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