



7F7

HIGH-MU TWIN TRIODE

7F7

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathodes:

Voltage. 6.3[□] ac or dc voltsCurrent. 0.3^{□□} amp

Direct Interelectrode Capacitances:*

Each Unit:

Grid to Plate. 1.6 μf Grid to Cathode. 2.4 μf Plate to Cathode. 2.0 μf Grid to Grid. 0.2 max. μf Plate to Plate. 1.0 max. μf

* With external shield connected to cathode.

Mechanical:

Mounting Position. Any

Maximum Overall Length 2-25/32"

Maximum Seated Length. 2-1/4"

Maximum Diameter 1-3/16"

Bulb T-9

Base Lock-in 8-Pin

Basing Designation for BOTTOM VIEW 8AC

Pin 1 - Heater

Pin 2 - Cathode of

Unit No.2

Pin 3 - Plate of

Unit No.2

Pin 4 - Grid of

Unit No.2

Pin 5 - Grid of

Unit No.1

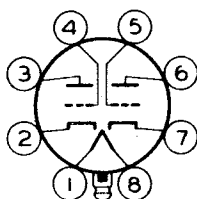
Pin 6 - Plate of

Unit No.1

Pin 7 - Cathode of

Unit No.1

Pin 8 - Heater

Plug - Base
ShellAMPLIFIER - Class A₁

Values are for each unit

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 300 max. volts ←

PLATE DISSIPATION. 1.0 max. watt

GRID VOLTAGE:

Positive bias value. 0 max. volts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode 90 max. volts ←

Heater positive with respect to cathode 90 max. volts

Characteristics:

Plate Voltage. 100 250 volts

Grid Voltage -1 -2 volts

Amplification Factor 70 70

Plate Resistance (Approx.) 62000 44000 ohms

Transconductance 1125 1600 μmhos

Plate Current. 0.65 2.3 ma

□ Nominal voltage = 7.0 volts.

□□ Nominal current = 0.32 ampere.

← Indicates a change.

DEC. 30, 1947

TUBE DEPARTMENT

DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY.