



14AF7

MEDIUM-MU TWIN TRIODE

14AF7

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage. 12.6[□] ac or dc voltsCurrent. 0.15^{□□} ampDirect Interelectrode Capacitances:⁰

Each Unit:

Grid to Plate. 2.3 μ fGrid to Cathode 2.2 μ fPlate to Cathode 1.6 μ fGrid of Unit No.1 to Grid of Unit No.2 0.20 max. μ fPlate of Unit No.1 to Plate of Unit No.2. 0.60 max. μ fGrid of Unit No.1 to Plate of Unit No.2. 0.06 max. μ fGrid of Unit No.2 to Plate of Unit No.1. 0.10 max. μ f⁰ Without external shield.

Mechanical:

Mounting Position. Any

Maximum Overall Length 2-25/32"

Maximum Seated Length. 2-1/4"

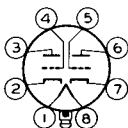
Maximum Diameter 1-3/16"

Bulb T-9

Base Lock-in 8-Pin

Basing Designation for BOTTOM VIEW 8AC

Pin 1-Heater

Pin 2-Cathode of
Triode No.2Pin 3-Plate of
Triode No.2Pin 4-Grid of
Triode No.2Pin 5-Grid of
Triode No.1Pin 6-Plate of
Triode No.1Pin 7-Cathode of
Triode No.1Pin 8-Heater
Plug - Base ShellAMPLIFIER-Class A₁

Values are for each unit

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 300 max. volts

PLATE DISSIPATION. 2.5 max. watts

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

Typical Operation and Characteristics:

Plate Voltage. 100 100 250 volts

Grid Voltage 0 - - volts

Cathode-Bias Resistor. - 600 1100 ohms

[□] Nominal voltage = 14.0 volts.^{□□} Nominal current = 0.16 ampere.

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(continued from preceding page)

Amplification Factor	17	16	16	
Plate Resistance	6500	8400	7600	ohms
Transconductance	2600	1900	2100	μ mhos
Plate Current.	10.8	5	9	ma