



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:[○]

Each Unit:

Grid to Plate. 2.3 . . . μuf

Grid to Cathode 2.2 . . . μuf

Plate to Cathode 1.6 . . . μuf

Grid of Unit No.1 to Grid of Unit No.2 . . . 0.20 max. . . μuf

Plate of Unit No.1 to Plate of Unit No.2. . . 0.60 max. . . μuf

Grid of Unit No.1 to Plate of Unit No.2. . . 0.06 max. . . μuf

Grid of Unit No.2 to Plate of Unit No.1. . . 0.10 max. . . μuf

[○] 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

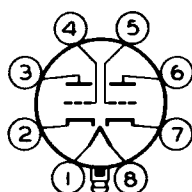
Pin 2-Cathode of
Triode No.2Pin 3-Plate of
Triode No.2Pin 4-Grid of
Triode No.2Pin 5-Grid of
Triode No.1Pin 6-Plate of
Triode No.1Pin 7-Cathode of
Triode No.1Pin 8-Heater
Plug - Base ShellAMPLIFIER-Class A₁*Values are for each unit***Maximum Ratings, Design-Center Values:**

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.

NOV. 15, 1948

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

14AF7
TO
14C5



14AF7

MEDIUM-MU TWIN TRIODE

(continued from preceding page)

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

14B6

TWIN DIODE—HIGH-MU TRIODE

Heater, for Unipotential Cathode:
 Voltage. 12.6[□] ac or dc volts
 Current. 0.15^{□□} amp

The 14B6 is the same as the 7B6 except for heater rating.

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

14B8

PENTAGRID CONVERTER

Heater, for Unipotential Cathode:
 Voltage. 12.6[□] ac or dc volts
 Current. 0.15^{□□} amp

The 14B8 is the same as the 7B8 except for heater rating.

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

14C5

BEAM POWER AMPLIFIER

Heater, for Unipotential Cathode:
 Voltage. 12.6[□] ac or dc volts
 Current. 0.225^{□□} amp

The 14C5 is the same as the 7C5 except for heater rating.

[□] Nominal voltage = 14.0 volts. ^{□□} Nominal current = 0.240 ampere.