



14A4

MEDIUM-MU TRIODE

14A4
14A5

Heater, for Unipotential Cathode:

Voltage. 12.6[□] ac or dc volts
 Current. 0.15^{□□} amp

The 14A4 is the same as the 7A4 except for heater rating.

□ Nominal voltage = 14.0 volts. □□ Nominal current = 0.16 ampere.

14A5

BEAM POWER AMPLIFIER

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 12.6[□] ac or dc volts
 Current. 0.15^{□□} amp

Direct Interelectrode Capacitances (Approx.):[○]

Grid No.1 to Plate 0.4 μf
 Input. 6.8 μf
 Output 7.0 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 6AA

Pin 1-Heater

Pin 2-Plate

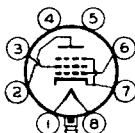
Pin 3-Grid No.2

Pin 4-No

Connection

Pin 5-No

Connection



Pin 6-Grid No.1

Pin 7-Cathode,

Grid No.3

Pin 8-Heater

Plug -Base

Shell

AF POWER AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 300 max. volts

GRID-No.2 (SCREEN) VOLTAGE 300 max. volts

PLATE DISSIPATION. 7.5 max. watts

GRID-No.2 DISSIPATION. 1.5 max. watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode 90 max. volts

Heater positive with respect to cathode 90 max. volts

□ Nominal voltage = 14.0 volts.

□□ Nominal current = 0.16 ampere.

DEC. 30, 1947

TUBE DEPARTMENT

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

14A5
14A7
14B6



14A5 BEAM POWER AMPLIFIER

(continued from preceding page)

Typical Operation and Characteristics:

Plate Voltage.	250	..	volts
Grid-No.2 Voltage.	250	..	volts
Grid-No.1 (Control-Grid) Voltage.	-12.5	..	volts
Cathode-Bias Resistor.	370	..	ohms
Peak AF Grid-No.1 Voltage.	12.5	..	volts
Zero-Signal Plate Current.	30	..	ma
Max.-Signal Plate Current.	32	..	ma
Zero-Signal Grid-No.2 Current.	3.5	..	ma
Max.-Signal Grid-No.2 Current.	5.5	..	ma
Plate Resistance (Approx.)	70000	..	ohms
Transconductance	3000	..	μ hos
Load Resistance.	7500	..	ohms
Total Harmonic Distortion.	7	..	%
Max.-Sig. Power Output	2.8	..	watts

Maximum Circuit Values (for maximum rated conditions):

Grid-No.1-Circuit Resistance:

For fixed bias	0.1	..	megohm
For cathode bias	0.5	..	megohm

14A7 REMOTE-CUTOFF PENTODE

Heater, for Unipotential Cathode:

Voltage.	12.6 [□]	..	ac or dc volts
Current.	0.15 ^{□□}	..	amp

The 14A7 is the same as the 7A7 except for heater rating.

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

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.