



14A4

14A4
14A5

MEDIUM-MU TRIODE

Heater, for Unipotential Cathode:
 Voltage. 12.6^o ac or dc volts
 Current. 0.15^{oo} 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:

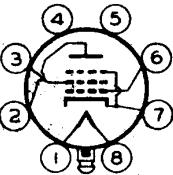
Heater, for Unipotential Cathode:
 Voltage. 12.6^o ac or dc volts
 Current. 0.15^{oo} amp

Direct Interelectrode Capacitances (Approx.):
 Grid No.1 to Plate . . . 0.4 $\mu\mu f$
 Input. 6.8 $\mu\mu f$
 Output 7.0 $\mu\mu f$

^o 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 6-Grid No.1
Pin 2-Plate	Pin 7-Cathode, Grid No.3
Pin 3-Grid No.2	Pin 8-Heater
Pin 4-No Connection	
Pin 5-No Connection	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

~~14A3
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.

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