



6AS5

BEAM POWER AMPLIFIER

MINIATURE TYPE

6AS5

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage. 6.3 ac or dc volts

Current. 0.8 amp

Direct Interelectrode Capacitances (Approx.):⁰Grid No.1 to Plate . . . 0.6 μf Input. 12 μf Output 6.2 μf ⁰ With no external shield.**Mechanical:**

Mounting Position. Any

Maximum Overall Length 2-5/8"

Maximum Seated Length. 2-3/8"

Length, Base Seat to Bulb Top (excluding tip). . . 2" $\pm$ 3/32"

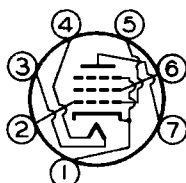
Maximum Diameter 3/4"

Bulb T-5-1/2

Base Small-Button Miniature 7-Pin

Basing Designation for BOTTOM VIEW 7CV

Pin 1 - Cathode,
Grid No.3
Pin 2 - Grid No.1
Pin 3 - Heater



Pin 4 - Heater
Pin 5 - Grid No.1
Pin 6 - Grid No.2
Pin 7 - Plate

AF POWER AMPLIFIER - Class A₁**Maximum Ratings, Design-Center Values:**

PLATE VOLTAGE. 150 max. volts

GRID-No.2 (SCREEN) VOLTAGE 117 max. volts

PLATE DISSIPATION. 5.5 max. watts

GRID-No.2 DISSIPATION. 1 max. watt

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. 150 . . . volts

Grid-No.2 Voltage. 110 . . . volts

Grid-No.1 (Control-Grid) Voltage -8.5 . . . volts

Peak AF Grid-No.1 Voltage. 8.5 . . . volts

Zero-Signal Plate Current. 35 . . . ma

Max.-Signal Plate Current. 36 . . . ma

Zero-Signal Grid-No.2 Current. 2 . . . ma

Max.-Signal Grid-No.2 Current. 6.5 . . . ma

Transconductance 5600 . . . μmhos

Load Resistance. 4500 . . . ohms

MAR. 15, 1948

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

TENTATIVE DATA

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BEAM POWER AMPLIFIER

Total Harmonic Distortion.	10 . .	%
Max.-Sig. Power Output	2.2 . .	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

MAR. 15, 1948

TUBE DEPARTMENT

TENTATIVE DATA

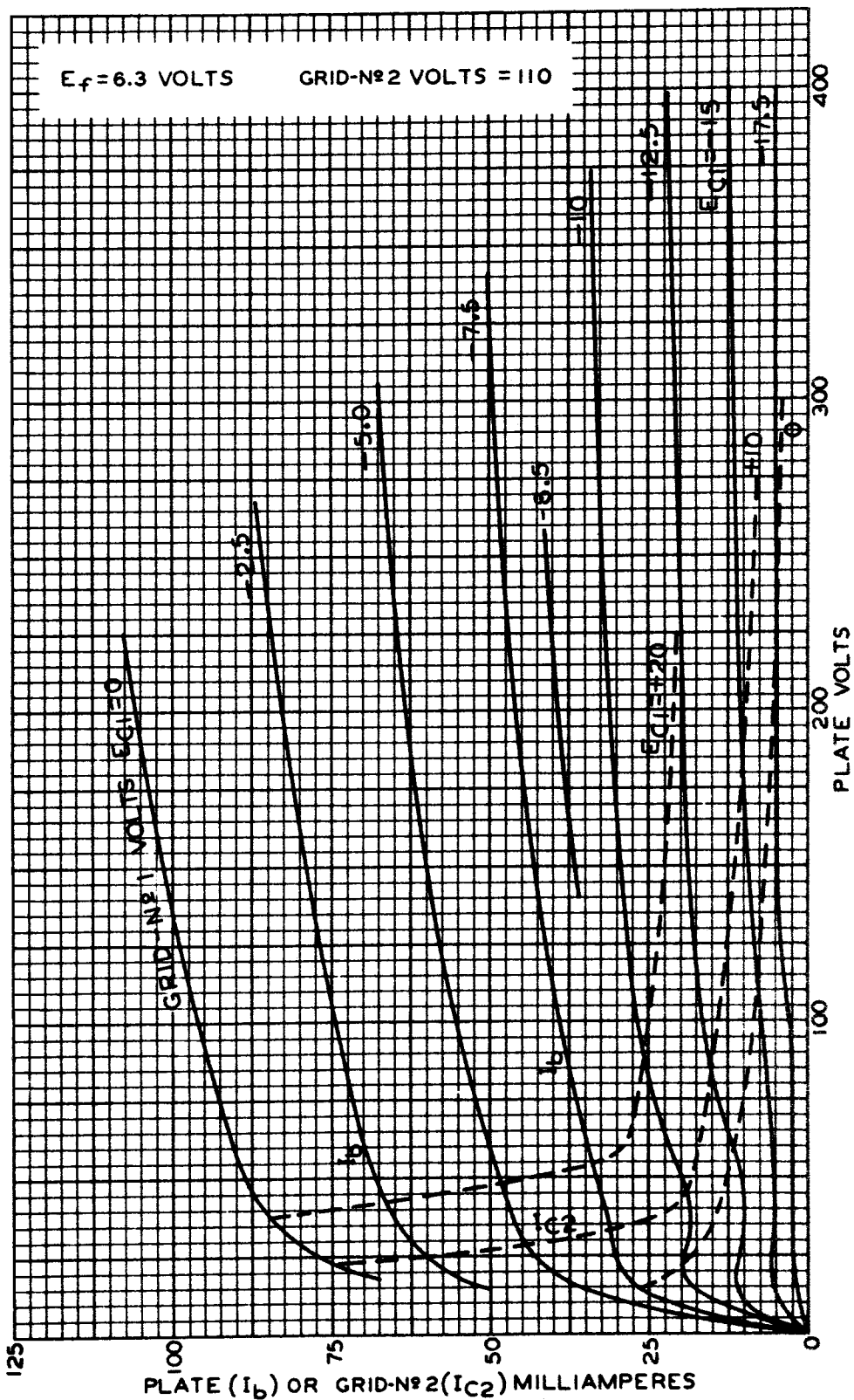
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AVERAGE PLATE CHARACTERISTICS



FEB. 17, 1948

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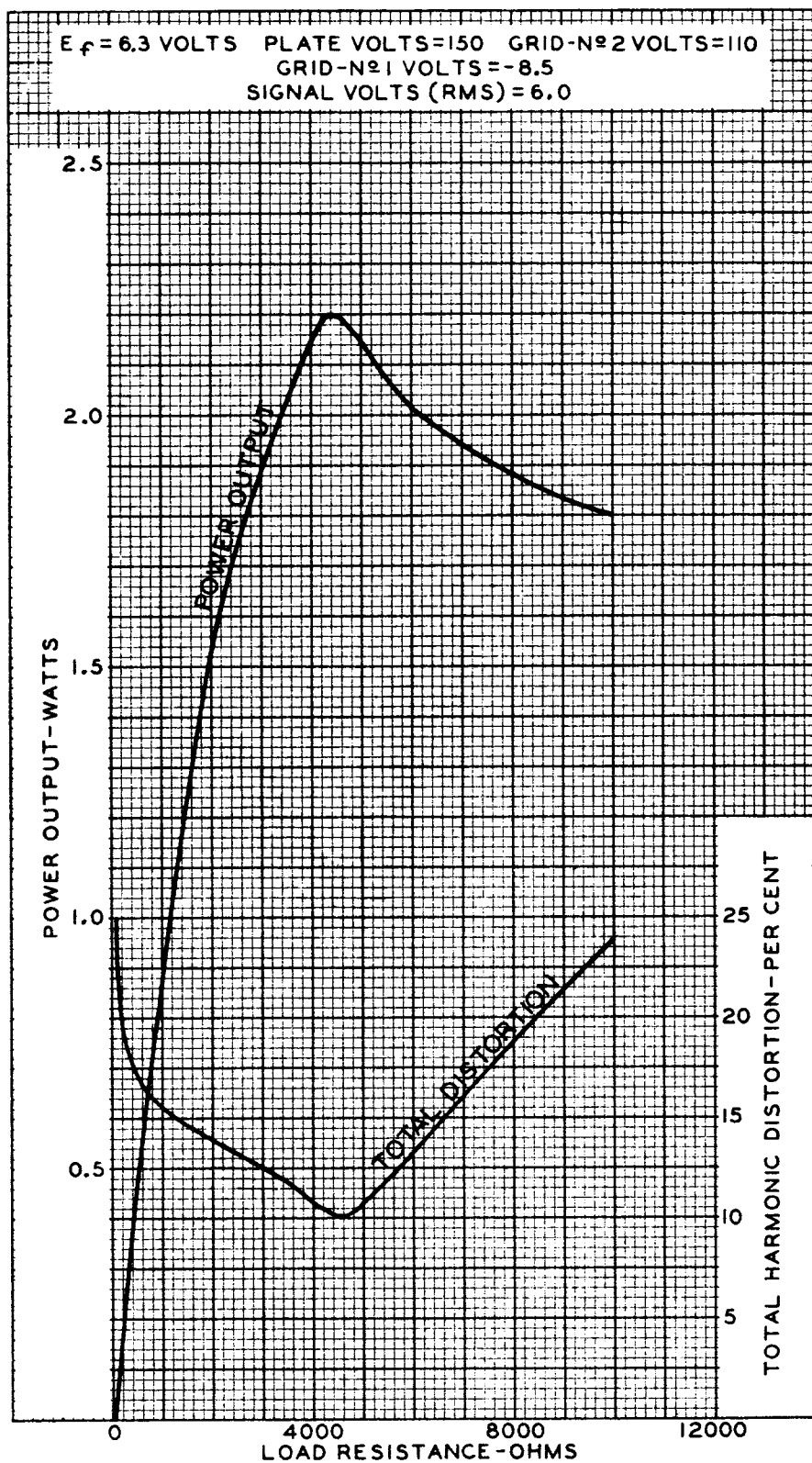
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OPERATION CHARACTERISTICS



JAN. 12, 1948

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