



6AH6

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SHARP-CUTOFF PENTODE

MINIATURE TYPE

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage. 6.3 ac or dc volts

Current. 0.45 amp

Direct Interelectrode Capacitances:⁰Grid No.1 to Plate . . . 0.030 max μf Input. 10 μf Output 2 μf ⁰ With no external shield.**Mechanical:**

Mounting Position. Any

Maximum Overall Length 2-1/8"

Maximum Seated Length. 1-7/8"

Length, Base Seat to Bulb Top (Excluding tip). . . 1-1/2" $\pm$ 3/32"

Maximum Diameter 3/4"

Bulb T-5-1/2

Base Small-Button Miniature 7-Pin

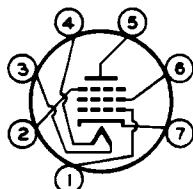
Basing Designation for BOTTOM VIEW 7BK

Pin 1-Grid No.1

Pin 2-Grid No.3

Pin 3-Heater

Pin 4-Heater



Pin 5-Plate

Pin 6-Grid No.2

Pin 7-Cathode

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

PLATE VOLTAGE. 300 max. volts

GRID-No.2 (SCREEN) VOLTAGE 150 max. volts

TOTAL CATHODE CURRENT. 13 max. ma

PLATE DISSIPATION. 3.2 max. watts

GRID-No.2 DISSIPATION. 0.4 max. watt

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. 90 max. volts

Heater positive with respect to cathode. 90 max. volts

Characteristics:*Pentode Connection*

Plate Voltage. 300 volts

Grid No.3 (Suppressor) Tied to cathode at socket

Grid-No.2 Voltage. 150 volts

Cathode Resistor 160 ohms

Plate Resistance (Approx.) 0.5 megohm

Transconductance 9000 μmhos Grid-No.1 Bias (Approx.) for
plate current of 10 μamp -7 volts

Plate Current. 10 ma

Grid-No.2 Current. 2.5 ma

NOV. 15, 1949

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TENTATIVE DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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6AH6

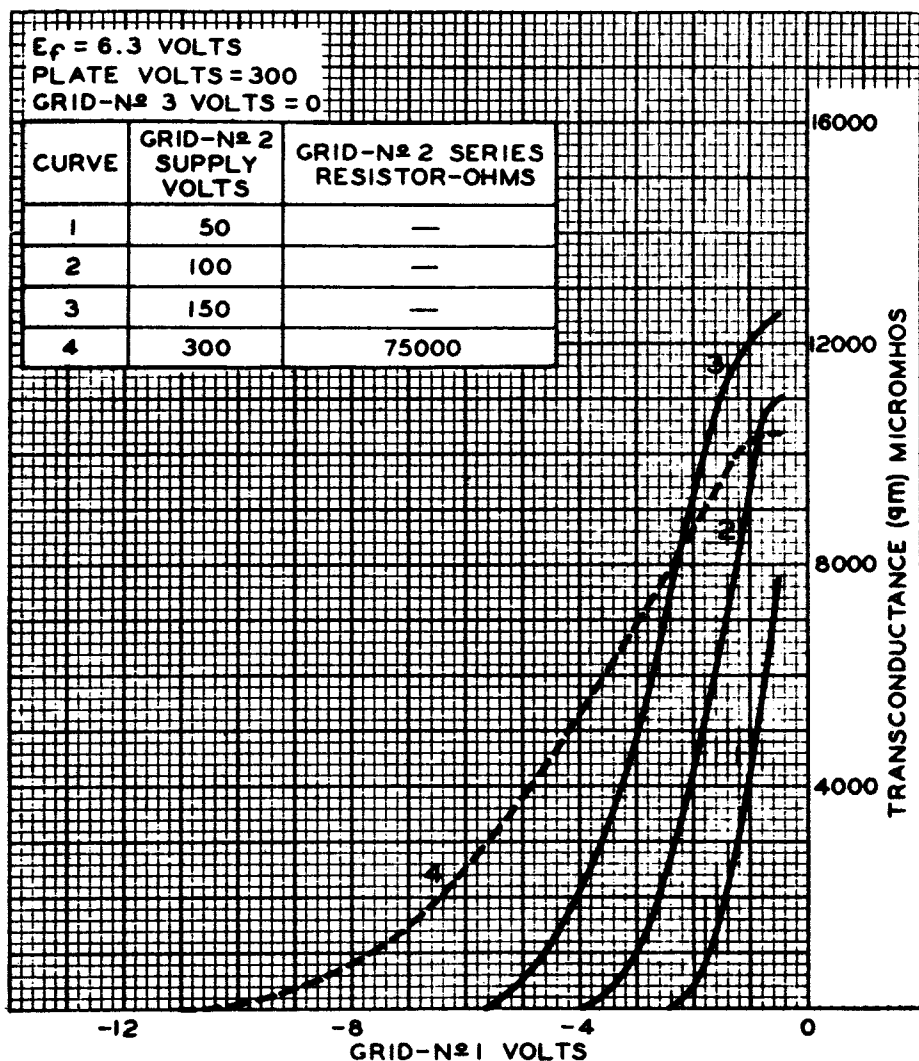
SHARP-CUTOFF PENTODE

Triode Connection

Grid No. 2 and Grid No. 3 Tied to Plate

Plate Voltage.	150	volts
Cathode Resistor	160	ohms
Amplification Factor	40	
Plate Resistance (Approx.)	3600	ohms
Transconductance	11000	μ mhos
Grid-No. 1 Bias (Approx.) for plate current of 10 μ amp	-7	volts
Plate Current.	12.5	ma

AVERAGE CHARACTERISTICS



92CM-7334

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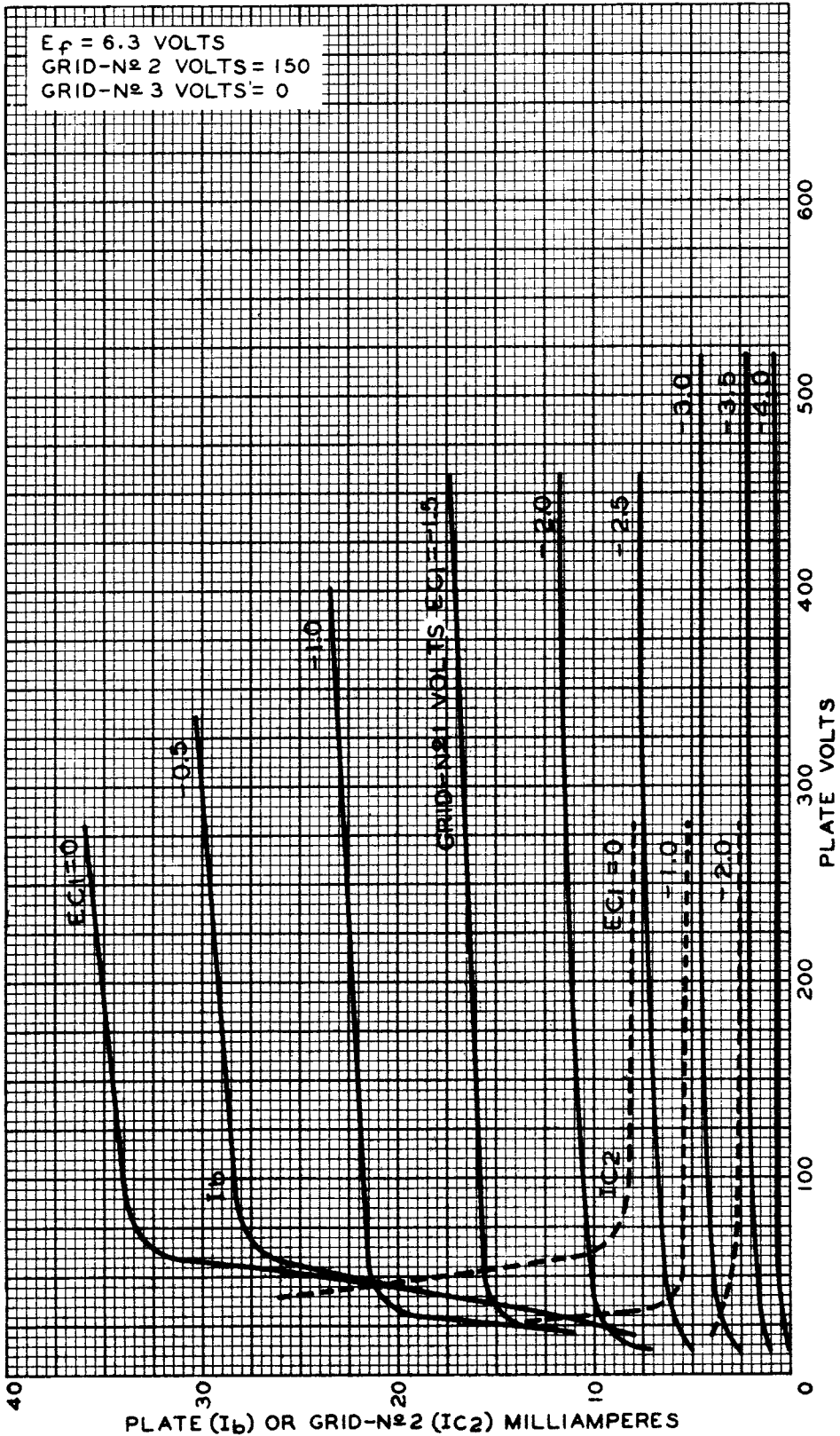
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AVERAGE PLATE CHARACTERISTICS



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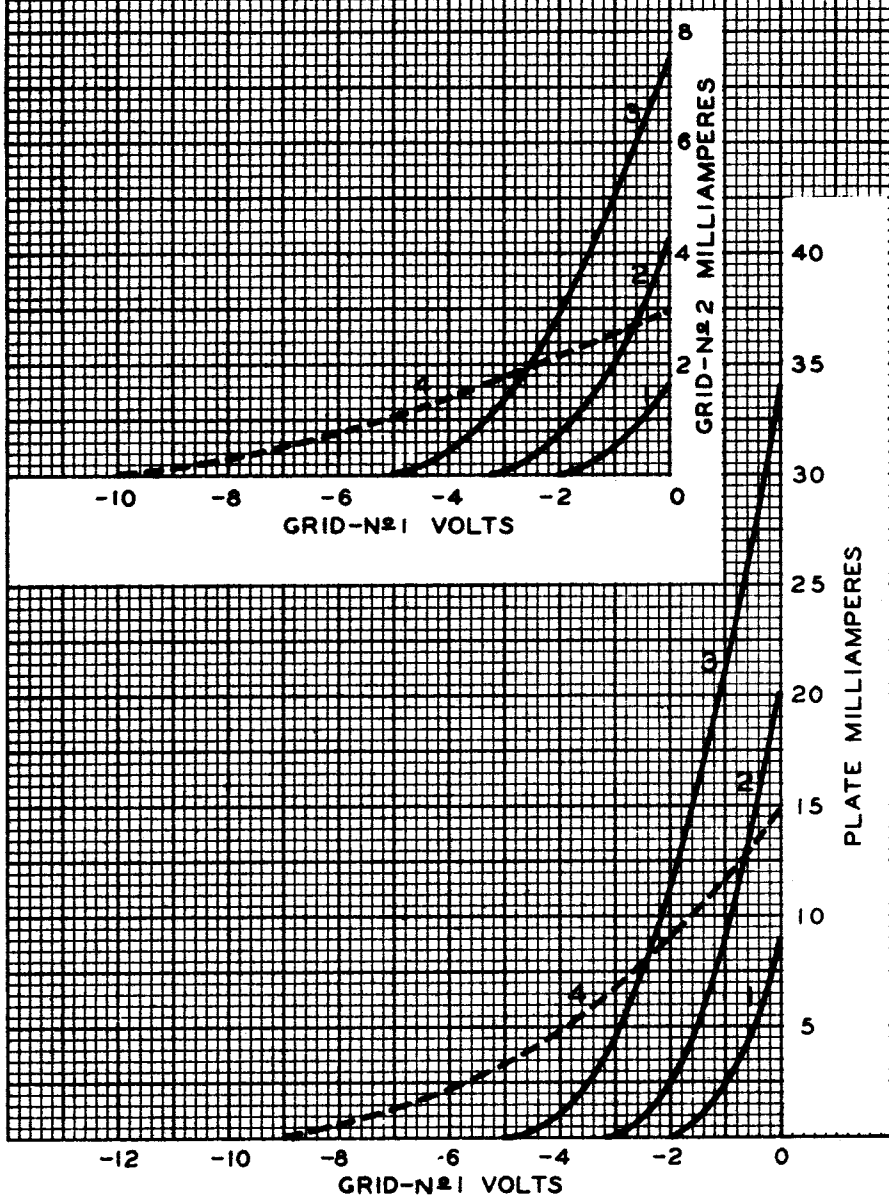


6AH6

AVERAGE CHARACTERISTICS

$E_f = 6.3$ VOLTS
 PLATE VOLTS = 300
 GRID-Nº 3 VOLTS = 0

CURVES	GRID-Nº 2 SUPPLY VOLTS	GRID-Nº 2 SERIES RESISTOR-OHMS
1	50	—
2	100	—
3	150	—
4	300	75000



AUG. 4, 1949

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92CM-7337