



26A7-GT

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TWIN BEAM POWER TUBE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 26.5 ac or dc volts

Current. 0.6 amp

Direct Interelectrode Capacitances (Approx.):^o

Grid No.1 to plate[▲] 1.2 μf

Grid No.1 to cathode & grid No.3,
grid No.2, and heater[▲] 16 μf

Plate to cathode & grid No.3,
grid No.2, and heater[▲] 13 μf

Grid No.1 of unit No.1 to
grid No.1 of unit No.2 0.2 μf

Plate of unit No.1 to
plate of unit No.2 0.2 μf

Grid No.1 of unit No.1 to
plate of unit No.2 0.2 μf

Grid No.1 of unit No.2 to
plate of unit No.1 0.2 μf

Mechanical:

Mounting Position. Any

Maximum Overall Length 3-13/16"

Maximum Seated Length. 3-1/4"

Maximum Diameter 1-9/32"

Bulb T-9

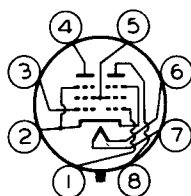
Base Intermediate-Shell Octal 8-Pin (JETEC No.B8-6),
or Short Intermediate-Shell Octal 8-Pin (JETEC No.B8-58)

Basing Designation for BOTTOM VIEW 8BU

Pin 1 - Grid No.1 of
Unit No.1

Pin 2 - Cathode,
Grid No.3
of Units
No.1 & No.2

Pin 3 - Grid No.1 of
Unit No.2



Pin 4 - Plate of
Unit No.2

Pin 5 - Grid No.2
of Units
No.1 & No.2

Pin 6 - Heater

Pin 7 - Heater

Pin 8 - Plate of
Unit No.1

AMPLIFIER - Class A₁

Values are for Each Unit

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 50 max. volts

GRID-No.2 (SCREEN) VOLTAGE 50 max. volts

PLATE DISSIPATION. 2 max. watts

^o Without external shield.

[▲] Each unit.

← Indicates a change.

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GRID-No.2 INPUT. 0.5 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 (Each unit):

Plate Voltage 26.5 volts

Grid-No.2 Voltage. 26.5 volts

Grid-No.1 (Control-Grid) Voltage -4.5 volts

Peak AF Grid-No.1 Voltage. 4.5 volts

Zero-Signal Plate Current. 20 ma

Max.-Signal Plate Current. 20.5 ma

Zero-Signal Grid-No.2 Current. 1.9 ma

Max.-Signal Grid-No.2 Current. 5.5 ma

Transconductance 5700 μ mhos

Load Resistance. 1500 ohms

Total Harmonic Distortion. 7 %

Max.-Signal Power Output 180 mw

→ Maximum Circuit Values:

Grid-No.1-Circuit Resistance:

For maximum rated conditions:

With cathode bias. 0.5 max. megohm

With fixed bias. 0.1 max. megohm

For conditions where the maximum design values of plate voltage and grid-No.2 voltage do not exceed

26.5 volts:

With grid-resistor bias. 0.5 max. megohm

AF POWER AMPLIFIER - Class AB₁

Unless otherwise specified, values are on a Per-Tube Basis

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 50 max. volts

GRID-No.2 (SCREEN) VOLTAGE 50 max. volts

PLATE DISSIPATION (Per unit) 2 max. watts

GRID-No.2 INPUT (Per unit) 0.5 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 Push-Pull Operation:

Plate Voltage. 26.5 volts

Grid-No.2 Voltage. 26.5 volts

Grid-No.1 (Control-Grid) Voltage -7 volts

Peak AF Grid-No.1-to-

Grid No.1 Voltage. 14 volts

Zero-Signal Plate Current. 19 ma

→ Indicates a change.



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Max.-Signal Plate Current.	30	ma
Zero-Signal Grid-No.2 Current (Approx.). .	2	ma
Max.-Signal Grid-No.2 Current (Approx.). .	8.5	ma
Effective Load Resistance (Plate to plate)	2500	ohms
Total Harmonic Distortion.	5	%
Max.-Signal Power Output	500	mw

Maximum Circuit Values:

Grid-No.1-Circuit Resistance:

For maximum rated conditions:

With cathode bias.	0.5 max.	megohm
With fixed bias.	0.1 max.	megohm

For conditions where the maximum
design values of plate voltage and
grid-No.2 voltage do not exceed

26.5 volts:

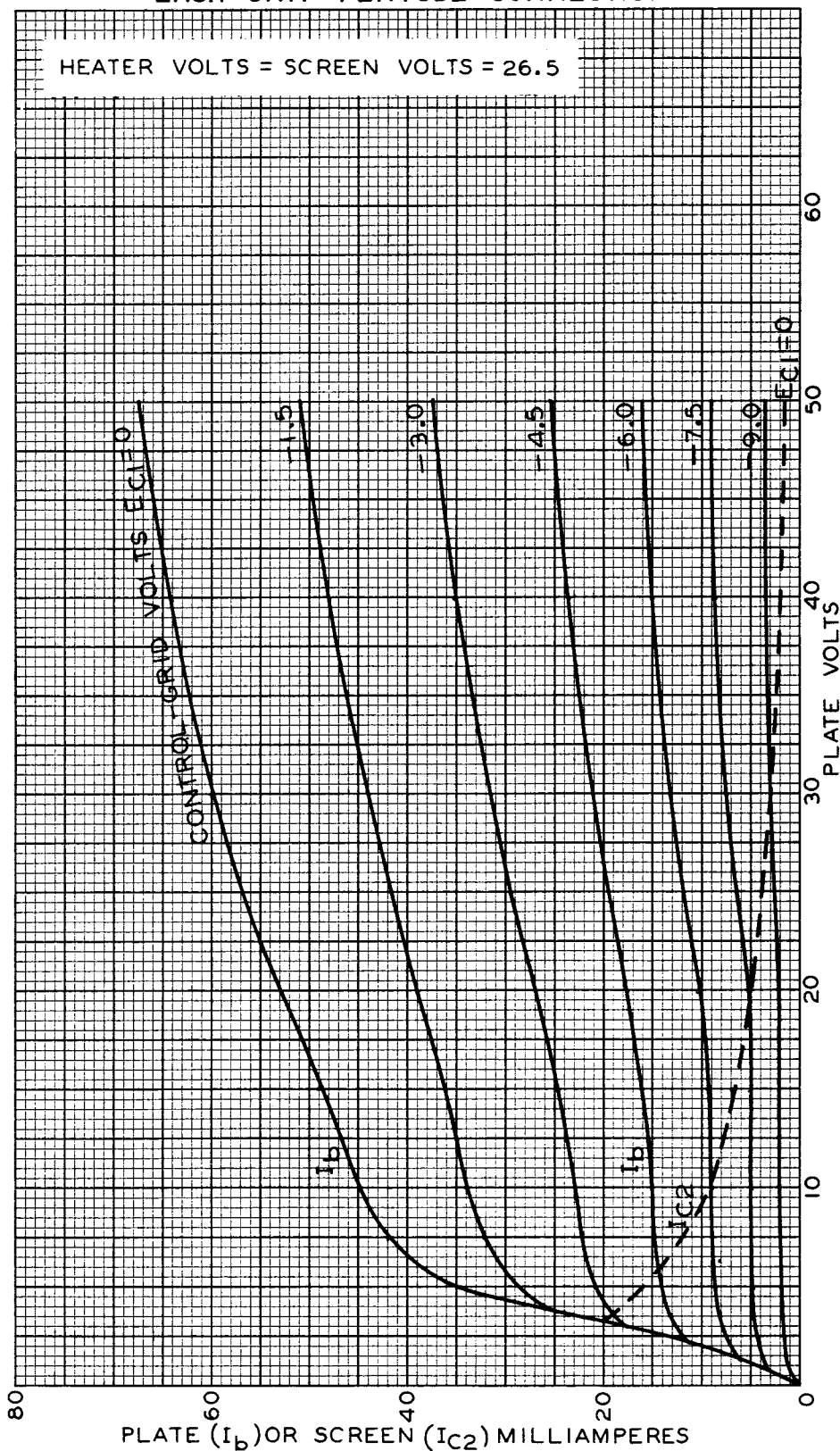
With grid-resistor bias.	0.5 max.	megohm
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←Indicates a change.



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AVERAGE PLATE CHARACTERISTICS
EACH UNIT - PENTODE CONNECTION

MAR. 23, 1945

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

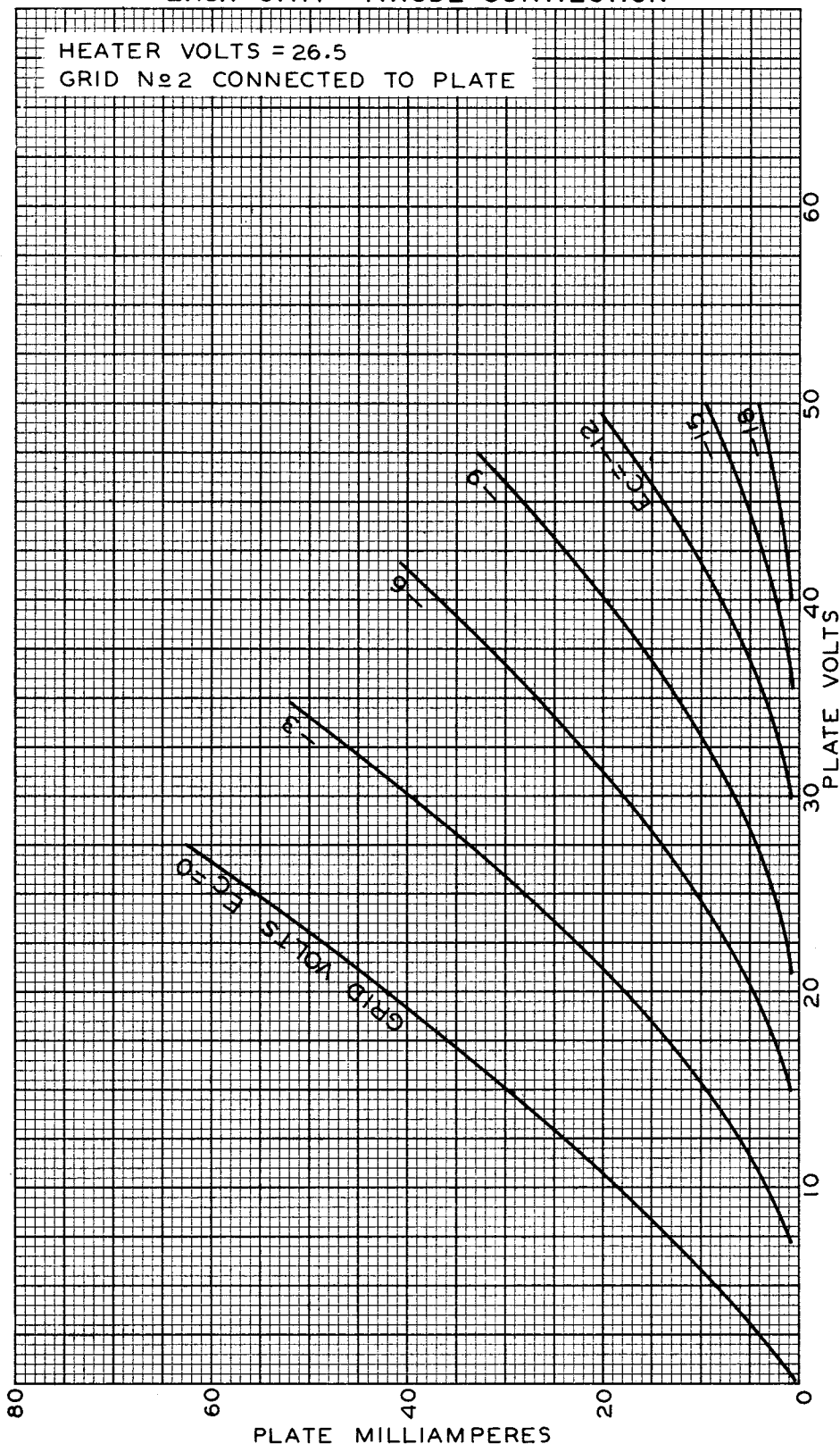
92CM-6509

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26A7-GT AVERAGE PLATE CHARACTERISTICS EACH UNIT - TRIODE CONNECTION

HEATER VOLTS = 26.5
GRID No 2 CONNECTED TO PLATE



MAR. 24, 1945

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6510



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OPERATION CHARACTERISTICS

PUSH-PULL CIRCUIT

HEATER VOLTS = 26.5

