



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.):^oGrid No.1 to plate[▲] 1.2 μmf Grid No.1 to cathode & grid No.3,
grid No.2, and heater[▲] 16 μmf Plate to cathode & grid No.3,
grid No.2, and heater[▲] 13 μmf Grid No.1 of unit No.1 to
grid No.1 of unit No.2 0.2 μmf Plate of unit No.1 to
plate of unit No.2 0.2 μmf Grid No.1 of unit No.1 to
plate of unit No.2 0.2 μmf Grid No.1 of unit No.2 to
plate of unit No.1 0.2 μmf

Mechanical:

Mounting Position. Any

Maximum Overall Length 3-13/16"

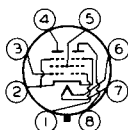
Maximum Seated Length. 3-1/4"

Maximum Diameter 1-9/32"

Bulb T-9

Base Intermediate-Shell Octal 8-Pin (JETEC No.88-6),
or Short Intermediate-Shell Octal 8-Pin (JETEC No.88-58)

Basing Designation for BOTTOM VIEW 8BU

Pin 1 - Grid No.1 of
Unit No.1Pin 2 - Cathode,
Grid No.3
of UnitsPin 3 - Grid No.1 of
Unit No.2Pin 4 - Plate of
Unit No.2Pin 5 - Grid No.2
of Units

Pin 6 - Heater

Pin 7 - Heater

Pin 8 - Plate of
Unit No.1AMPLIFIER - 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	μmhos
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

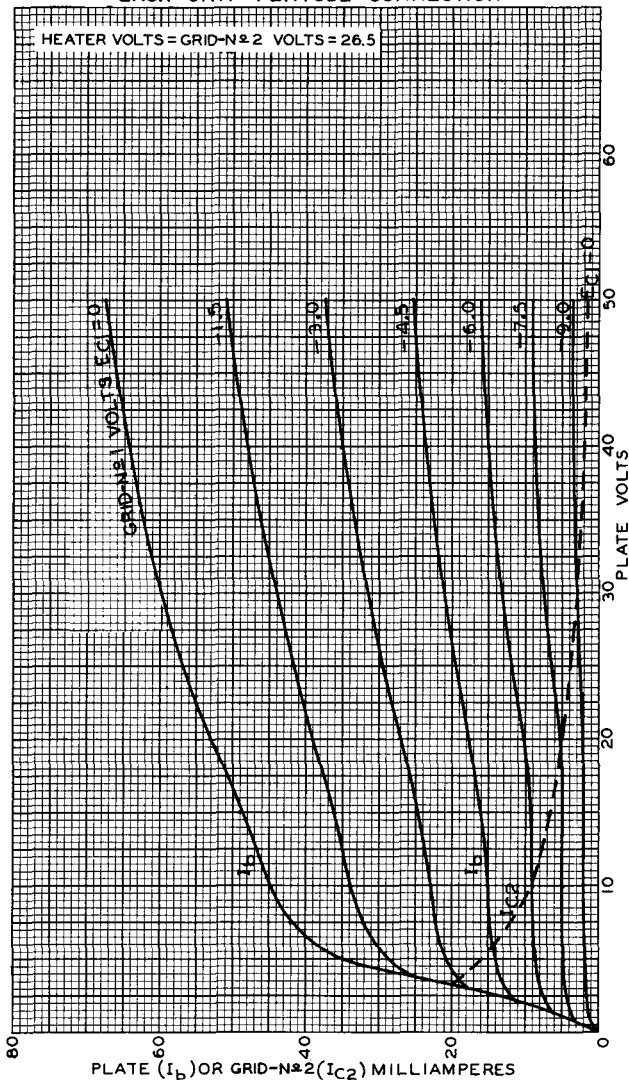
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AVERAGE PLATE CHARACTERISTICS
EACH UNIT - PENTODE CONNECTION



JAN. 3, 1955

TUBE DIVISION

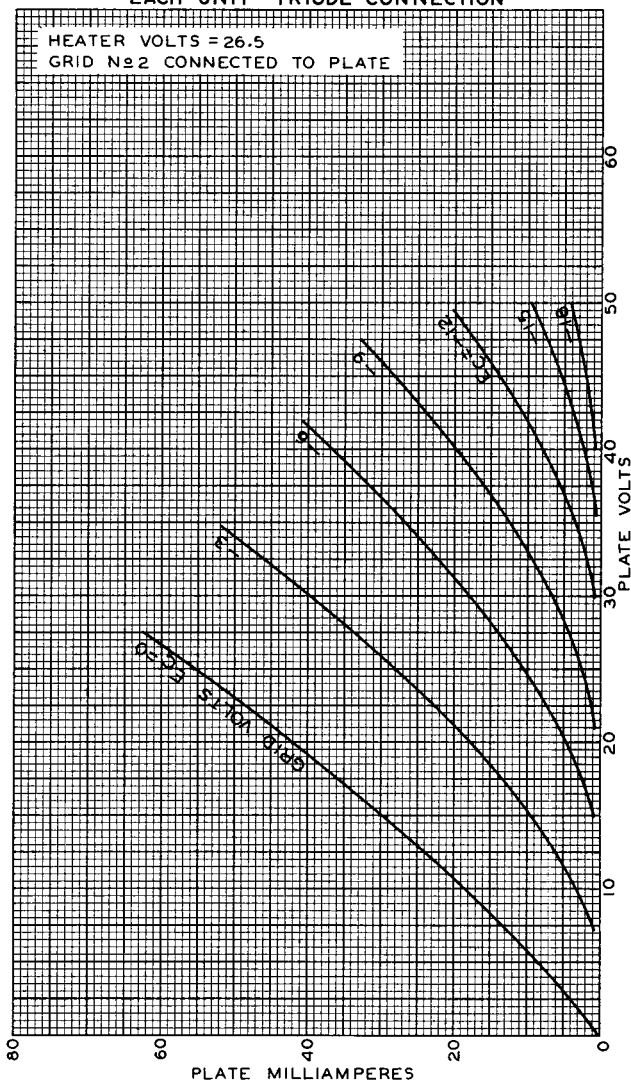
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6509RI



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



MAR. 24, 1945

TUBE DIVISION

92CM-6510

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY



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OPERATION CHARACTERISTICS

PUSH-PULL CIRCUIT

HEATER VOLTS = 26.5

