



6AS7-G

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LOW-MU TWIN POWER TRIODE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage. 6.3 ac or dc volts

Current. 2.5 amp

Direct Interelectrode Capacitances (Approx., each unit):^oGrid to plate. 10.5 μf Grid to heater and cathode 6.8 μf Plate to heater and cathode 2.3 μf Heater to cathode. 11.0 μf Grid of unit No.1 to grid of unit No.2 0.70 μf Plate of unit No.1 to
plate of unit No.2. 1.65 μf Characteristics, Class A₁ Amplifier (Each unit):

Plate-Supply Voltage 135 volts

Cathode-Bias Resistor[■] 250 ohms

Amplification Factor 2

Plate Resistance (Approx.) 280 ohms

Transconductance 7000 μmhos

Plate Current. 125 ma

Mechanical:

Mounting Position. Any

Maximum Overall Length 5-5/16"

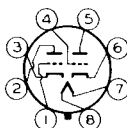
Maximum Seated Length. 4-3/4"

Maximum Diameter 2-1/16"

Bulb ST-16

Base Medium-Shell Octal 8-Pin (JETEC No.B8-11)

Basing Designation for BOTTOM VIEW. 8BD

Pin 1 - Grid of
Unit No.2Pin 2 - Plate of
Unit No.2Pin 3 - Cathode of
Unit No.2Pin 4 - Grid of
Unit No.1Pin 5 - Plate of
Unit No.1Pin 6 - Cathode of
Unit No.1

Pin 7 - Heater

Pin 8 - Heater

DC AMPLIFIER

Values are for Each Unit

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 250 max. volts

PLATE CURRENT. 125 max. ma

PLATE DISSIPATION. 13 max. watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. 300 max. volts

Heater positive with respect to cathode. 300 max. volts

^o Without external shield.[■] Operation with fixed bias is not recommended.

← Indicates a change.

MAY 1, 1955

TUBE DIVISION

DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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Maximum Circuit Values (For maximum rated conditions):

Grid-Circuit Resistance:

For cathode-bias operation	1.0 max. megohm
For fixed-bias operation	Not recommended

BOOSTER SCANNING SERVICE

Values are for Each Unit

Maximum Ratings, Design-Center Values:

For operation in a 525-line, 30-frame system[□]

PEAK NEGATIVE-PULSE PLATE VOLTAGE [•]	1700 max.	volts
DC PLATE CURRENT	125 max.	ma
PLATE DISSIPATION.	13 max.	watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode .	300 max.	volts
Heater positive with respect to cathode .	300 max.	volts

Maximum Circuit Values (For maximum rated conditions):

Grid-Circuit Resistance:

For cathode-bias operation	1.0 max. megohm
For fixed-bias operation	Not recommended

□ As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations", Federal Communications Commission.

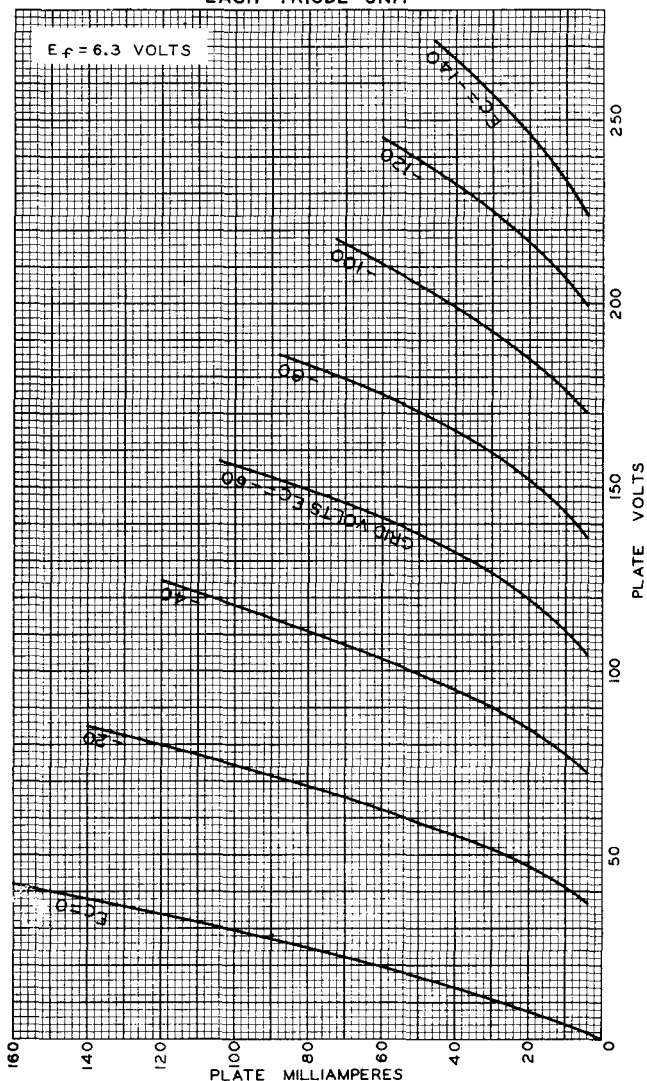
• The duration of the voltage pulse must not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.



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AVERAGE PLATE CHARACTERISTICS
EACH TRIODE UNIT

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NOV. 6, 1945

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

92CM-6618