



6SL7-GT

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HIGH-MU TWIN TRIODE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage. 6.3 ac or dc volts

Current. 0.3 amp

Direct Interelectrode Capacitances (Approx.):^o

	Unit No. 1	Unit No. 2	
Grid to plate	2.8	2.8	μf
Grid to cathode and heater	3.0	3.4	μf
Plate to cathode and heater	3.8	3.2	μf

Mechanical:

Mounting Position. Any

Maximum Overall Length 3-5/16"

Maximum Seated Length. 2-3/4"

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. B8-46)

Basing Designation for BOTTOM VIEW 8BD

Pin 1-Grid of Unit No. 2		Pin 5-Plate of Unit No. 1
Pin 2-Plate of Unit No. 2		Pin 6-Cathode of Unit No. 1
Pin 3-Cathode of Unit No. 2		Pin 7-Heater
Pin 4-Grid of Unit No. 1		Pin 8-Heater

AMPLIFIER—Class A₁

Values are for Each Unit

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 300 max. volts

GRID VOLTAGE:

Positive bias value. 0 max. volts

PLATE 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

Characteristics:

Plate Voltage. 250 volts

^o With close-fitting shield (JETEC No. 308) connected to cathode.

←Indicates a change.

NOV. 5, 1954

TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

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Grid Voltage	-2	volts
Amplification Factor	70	
Plate Resistance (Approx.)	44000	ohms
Transconductance	1600	μ mhos
Plate Current	2.3	ma

→ Typical Operation as Resistance-Coupled Amplifier:

See RESISTANCE-COUPLED AMPLIFIER CHART No. 7
at front of this Section

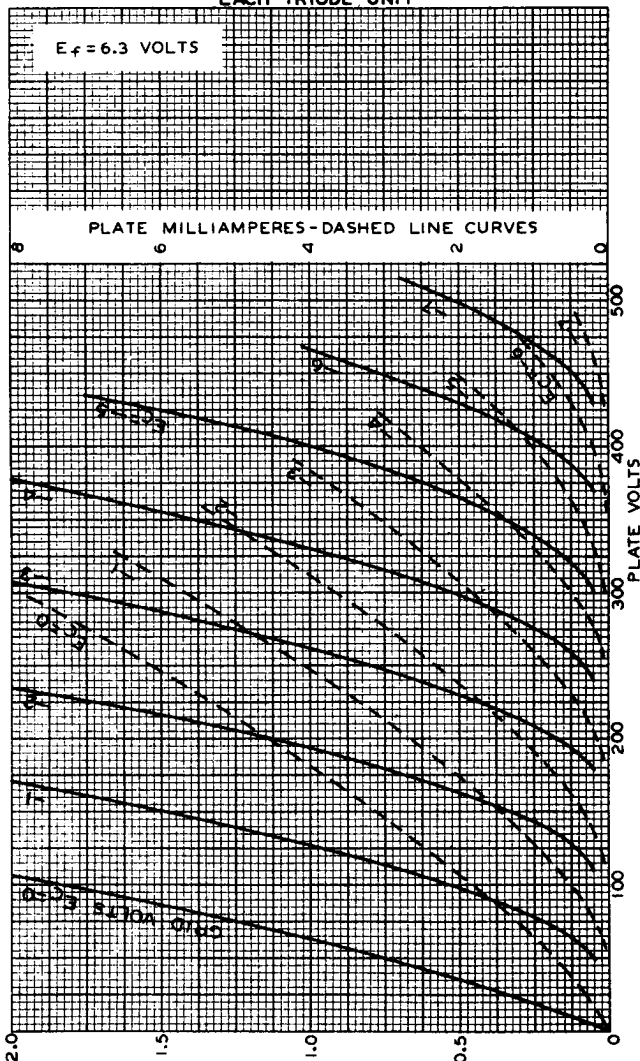
→ indicates a change.



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AVERAGE PLATE CHARACTERISTICS EACH TRIODE UNIT



JUNE 16, 1941

TUBE DIVISION

92CM-6298

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY