



# 6SL7-GT

## HIGH-MU TWIN TRIODE

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### GENERAL DATA

#### Electrical:

Heater, for Unipotential Cathodes:

Voltage. . . . . 6.3 . . . . . ac or dc volts

Current. . . . . 0.3 . . . . . amp

Direct Interelectrode Capacitances (Approx.):<sup>o</sup>

	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"

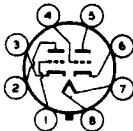
Maximum Diameter . . . . . 1-9/32"

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



### AMPLIFIER—Class A<sub>1</sub>

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

<sup>o</sup> With close-fitting shield (JETEC No. 308) connected to cathode.

←Indicates a change.

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

→ **Typical Operation as Resistance-Coupled Amplifier:**

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

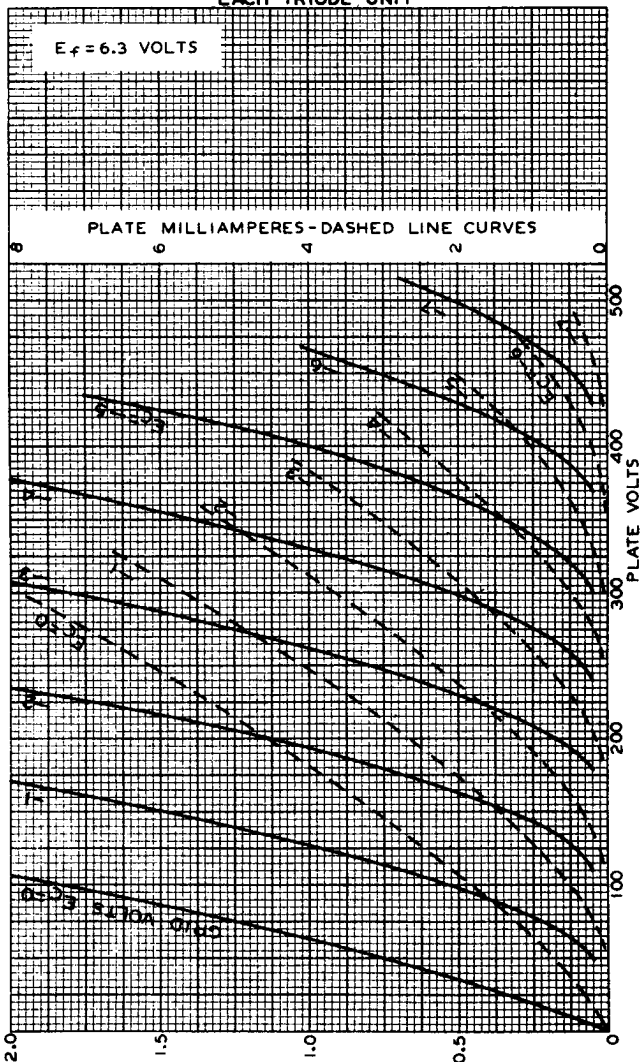
→ indicates a change.



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# AVERAGE PLATE CHARACTERISTICS EACH TRIODE UNIT



JUNE 16, 1941

TUBE DIVISION

92CM-6298

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY