



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	μ f
Grid to cathode and heater	3.0	3.4	μ f
Plate to cathode and heater	3.8	3.2	μ f

Mechanical:

Mounting Position. Any

Maximum Overall Length 3-5/16"

Maximum Seated Length. 2-3/4"

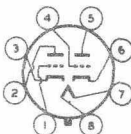
Maximum Diameter 1-9/32" ←

Bulb T-9 ←

Base Intermediate-Shell Octal 8-Pin (JETEC No. 88-6) ←

or Short Intermediate-Shell Octal 8-Pin (JETEC No. 88-46)

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

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

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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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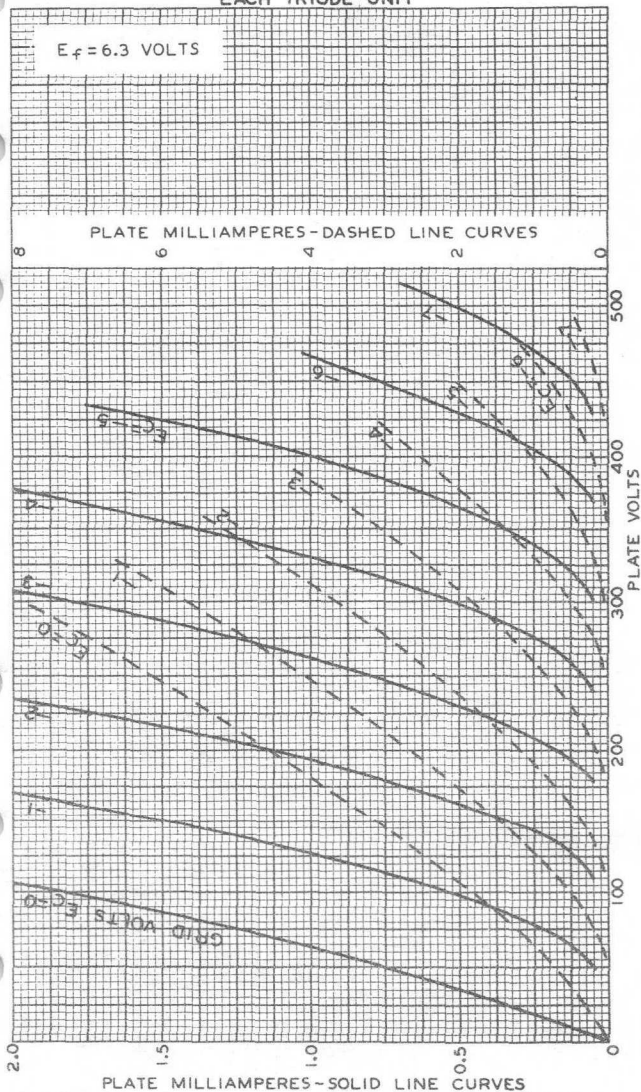


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AVERAGE PLATE CHARACTERISTICS EACH TRIODE UNIT

$E_f = 6.3$ VOLTS



JUNE 16, 1941

TUBE DIVISION

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6298

