



6SL7-GT

# 6SL7-GT 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.):<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. 1    |  | 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 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	$\mu$ hos
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.

NOV. 5, 1954

TUBE DIVISION  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

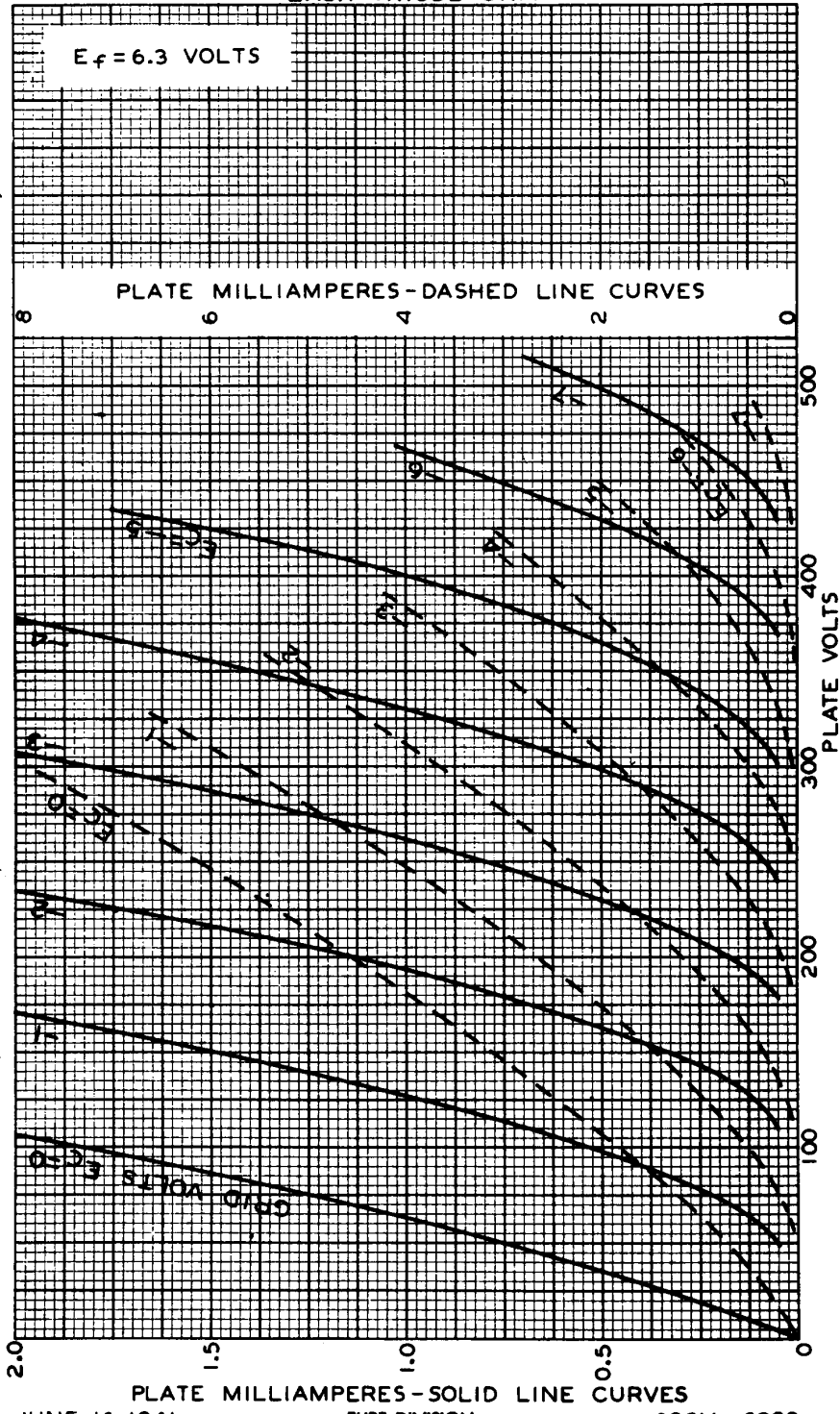


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## AVERAGE PLATE CHARACTERISTICS

### EACH TRIODE UNIT



JUNE 16, 1941

TUBE DIVISION  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6298