



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)

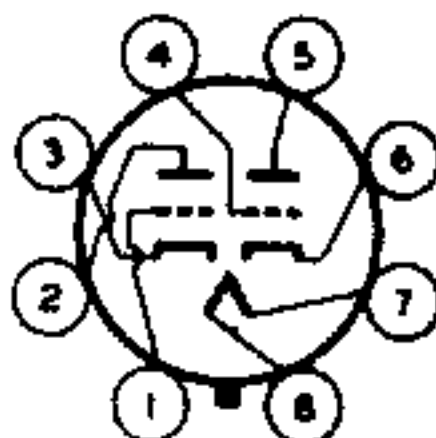
Basing Designation for BOTTOM VIEW 8BD

Pin 1 - Grid of
Unit No. 2

Pin 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 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
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^o 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	μ hos
Plate Current	2.3	ma

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

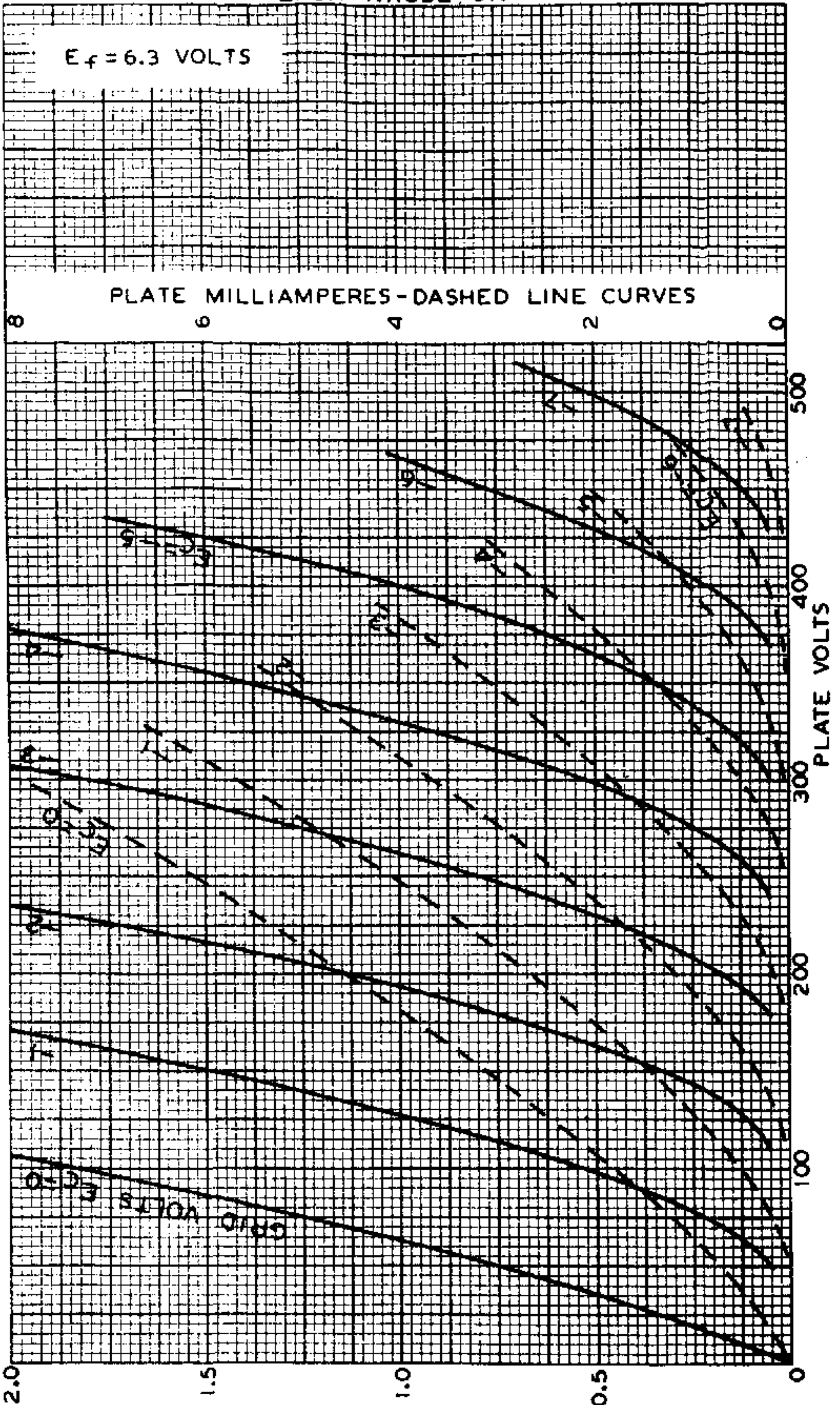
*See RESISTANCE-COUPLED AMPLIFIER CHART No. 7
at front of this Section*



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AVERAGE PLATE CHARACTERISTICS
EACH TRIODE UNIT



JUNE 16, 1941

TUBE DIVISION

92CM - 6298

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY