



6B8

6B8

**DUPLEX-DIODE PENTODE**

Heater ■	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.

Direct Interelectrode Capacitances:^o*Pentode Unit:*

Grid to Plate	0.005 max.	μpf
Input	6	μpf
Output	9	μpf

Maximum Overall Length 3-1/8"

Maximum Seated Height 2-9/16"

Maximum Diameter 1-5/16"

Bulb Metal Shell, MT-8

Cap Miniature

Base Small Wafer Octal 8-Pin

Pin 6 - Screen

Pin 7 - Heater

Pin 8 - Cathode

Cap - Grid

Pin 1 - Shell

Pin 2 - Heater

Pin 3 - Plate

Pin 4 - Diode Plate #2

Pin 5 - Diode Plate #1

Mounting Position

Any

BOTTOM VIEW (8E)

PENTODE UNIT

Plate Voltage	300 max.	volts
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Screen Voltage	125 max.	volts
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Screen Supply Voltage	300 max.	volts
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Grid Voltage	0 min.	volts
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Plate Dissipation	2.25 max.	watts
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Screen Dissipation	0.3 max.	watt
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Typical Operation and Characteristics - Class A₁ Amplifier:

Plate	250	volts
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Screen	125	volts
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Grid	-3	volts
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Plate Res.	0.6 approx.	megohm
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Transcond.	1325	μmhos
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Grid Bias for		
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cathode-current cut-off	-21 approx.	volts
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Plate Cur.	10	ma.
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Screen Cur.	2.3	ma.
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DIODE UNITS - Two

Consideration of these units is given under Type 6B8-G. Circuits will be similar to those shown for Type 2B7.

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

° With shell connected to cathode.

For Diode Curves, see Type 6B7. For additional data, see RESISTANCE-COUPLED AMPLIFIER CHART.

← Indicates a change.

Sept. 2, 1941

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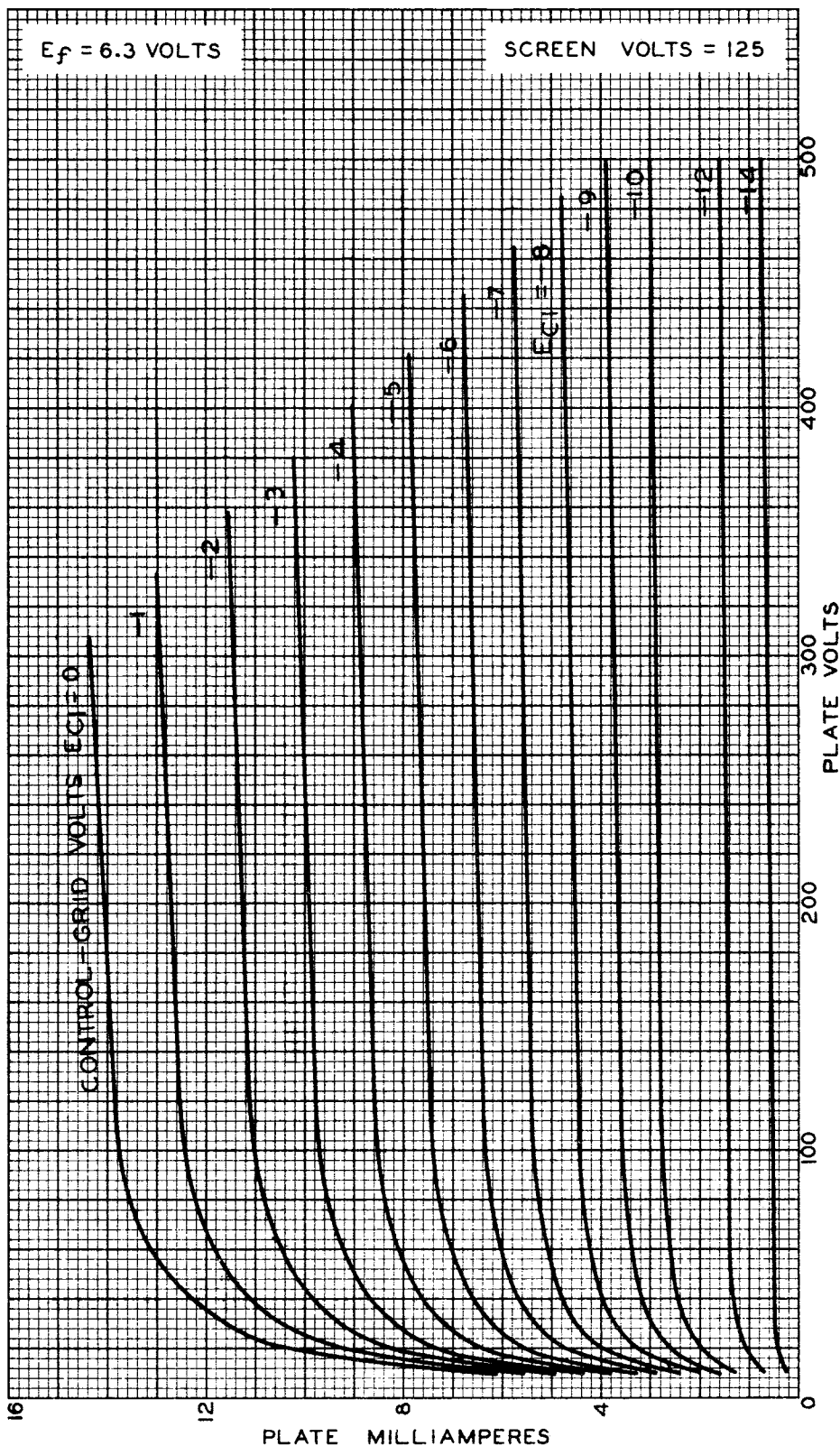
DATA

6B8



6B8

AVERAGE PLATE CHARACTERISTICS

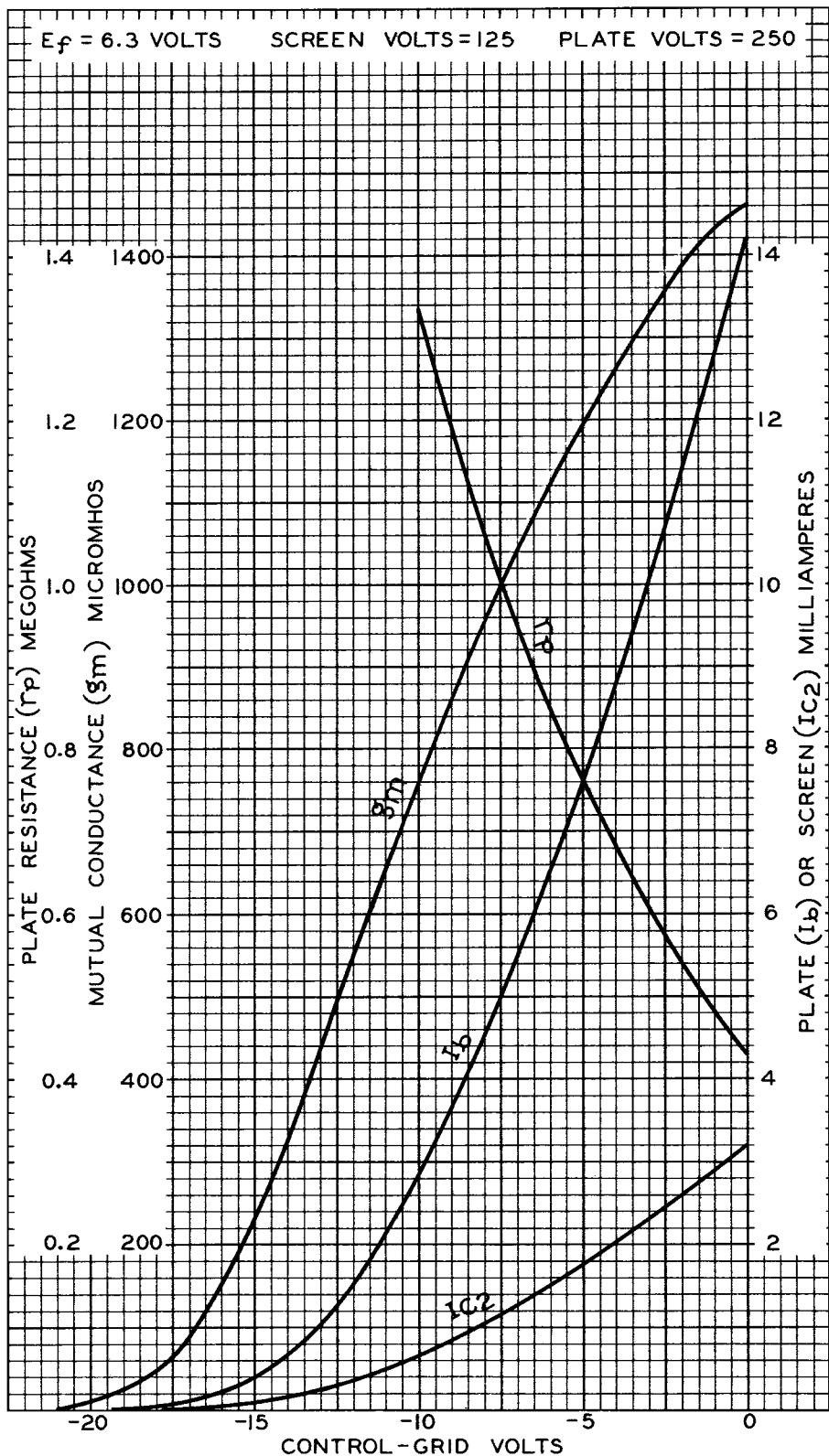


AUG. 14, 1936

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92C-4657

AVERAGE CHARACTERISTICS

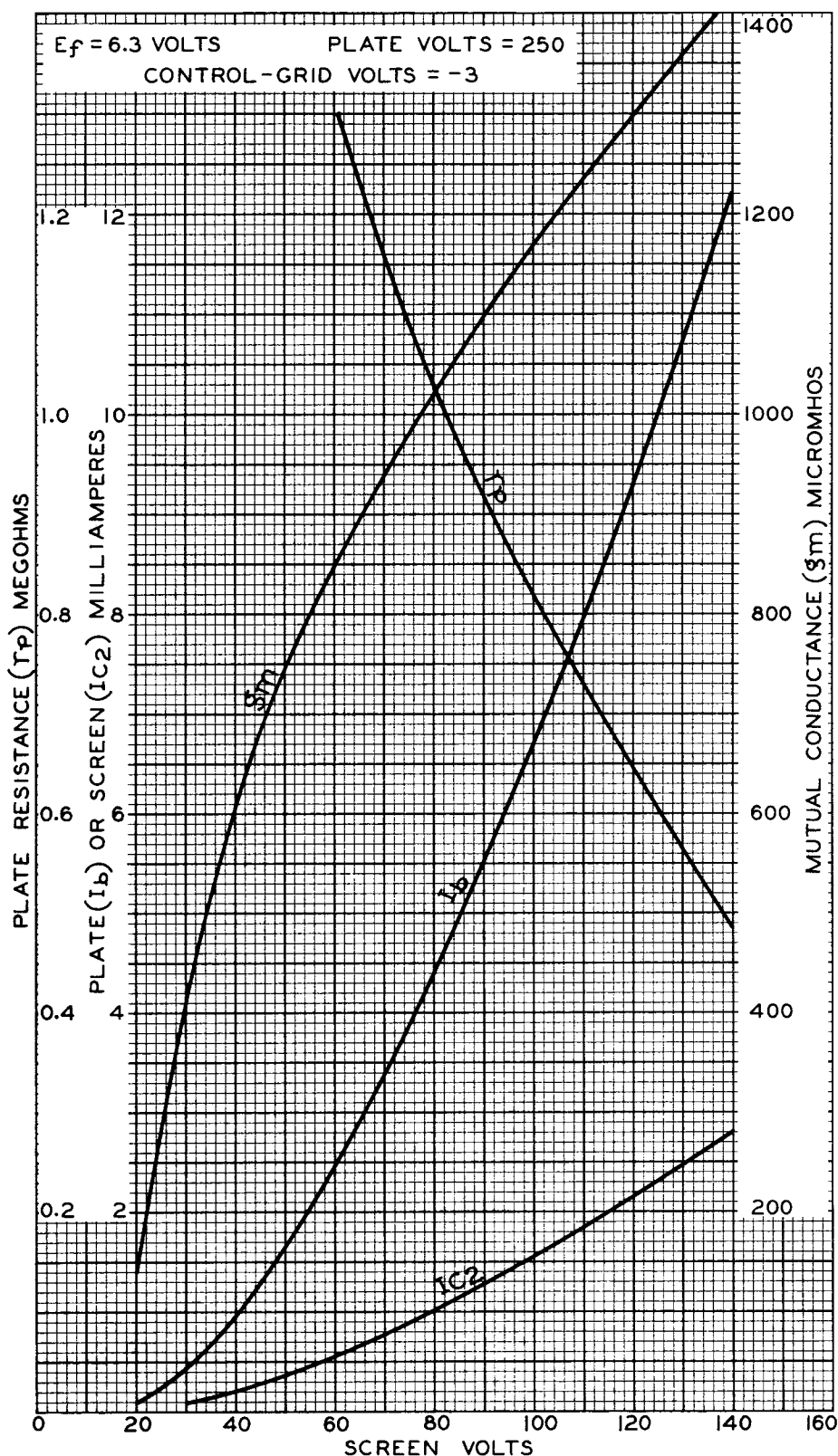


6B8



RCA-6B8

AVERAGE CHARACTERISTICS



AUG. 18, 1936

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