



6U7-G



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TRIPLE-GRID SUPER-CONTROL AMPLIFIER

Heater	Coated Unipotential Cathode#	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
Direct Interelectrode Capacitances:°		
Grid to Plate	0.007 max.	0.007 max. μ f
Input	5	5 μ f
Output	9	9 μ f
Overall Length		4-5/8" to 4-7/8" ←
Seated Height		4-1/16" to 4-5/16" ←
Maximum Diameter		1-9/16"
Bulb		ST-12
Cap		Skirted Miniature
Base		Small Shell Octal 7-Pin
Pin 1 - No Connection		Pin 5 - Suppressor
Pin 2 - Heater		Pin 7 - Heater
Pin 3 - Plate		Pin 8 - Cathode
Pin 4 - Screen		Cap - Grid

Mounting Position

BOTTOM VIEW (G-7R)

Any

AMPLIFIER

Plate Voltage	300 max.	volts
Screen Voltage	100 max.	volts
Screen Supply Voltage	300 max.	volts
Grid Voltage	0 min.	volts
Plate Dissipation	2.25 max.	watts
Screen Dissipation	0.25 max.	watt
Typical Operation and Characteristics - Class A₁ Amplifier:		
Plate	100	250 volts
Screen	100	100 volts
Grid	-3	-3 volts
Suppressor	Connected to cathode at socket	
Plate Res.	0.25	0.8 approx. ohms
Transcond.	1500	1600 μ mhos
Grid Bias for		
Transcond. of 2 μ mhos	-50	-50 volts
Plate Cur.	8	8.2 ma.
Screen Cur.	2.2	2 ma.

■ 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.

The internal shield in the dome of the 6U7-G is connected to the cathode within the tube.

° With close-fitting shield connected to cathode.

The Curve under Type 6D6 also applies to the 6U7-G.

← Indicates a change.

Sept. 2, 1941

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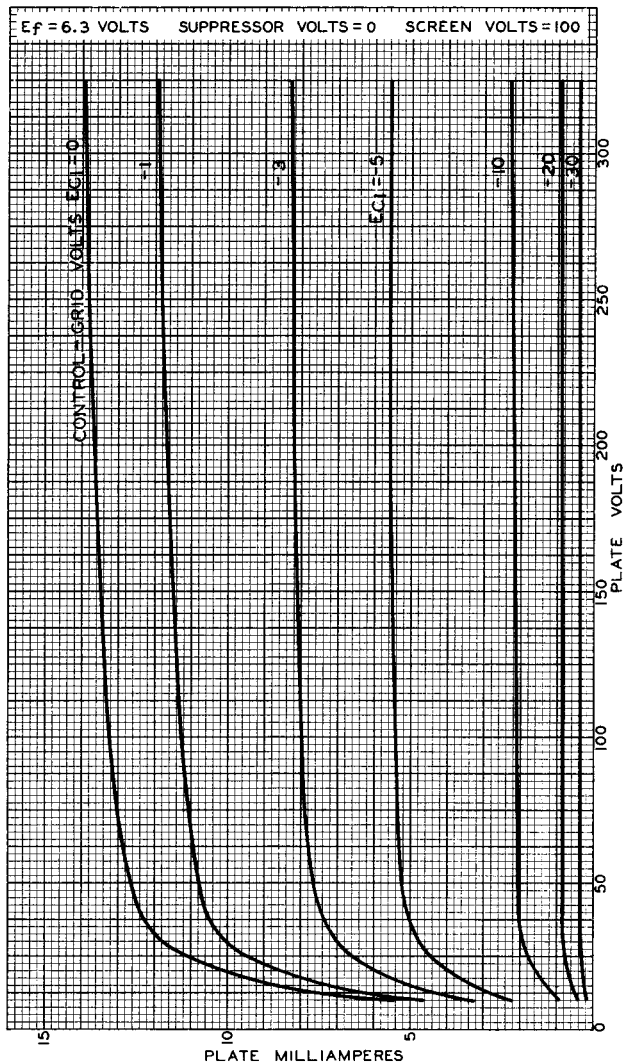
DATA

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AVERAGE PLATE CHARACTERISTICS



AUG. 20, 1941

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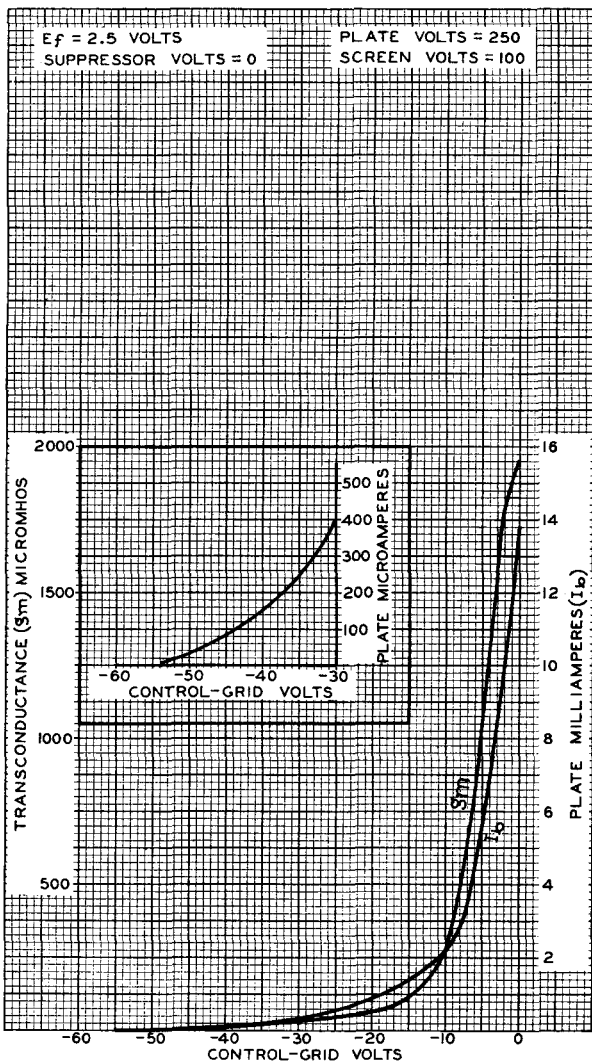
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AVERAGE CHARACTERISTICS

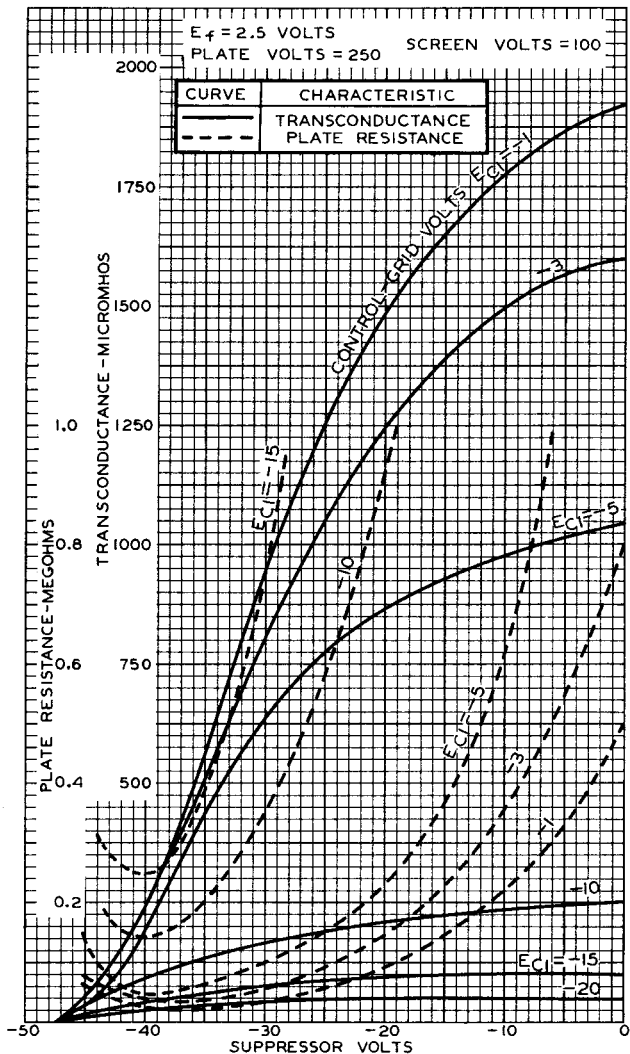


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AVERAGE CHARACTERISTICS



JAN. 8, 1940

RCA RADIOTRON DIVISION
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