

6C5  
6C5-GT/G

## 6C5, 6C5-GT/G

## DETECTOR AMPLIFIER TRIODE

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

	6C5	6C5-GT/G	
Direct Interelectrode Cap.	▲	▲▲	
Grid to Plate	2.0	2.2	μf
Grid to Cathode	3.0	4.4	μf
Plate to Cathode	11	12	μf
Maximum Overall Length	2-5/8"	3-5/16"	
Maximum Seated Height	2-1/16"	2-3/4"	
Maximum Diameter	1-5/16"	1-5/16"	
Bulb	Metal Shell, MT-8	T-9	

Base { Small Wafer  
 { Octal 6-Pin  
 Basing Designation 6Q  
 Pin 1 { 6C5, Shell  
 { 6C5-GT/G, Sleeve  
 Pin 2 - Heater  
 Pin 3 - Plate  
 Pin 5 - Grid  
 Pin 7 - Heater  
 Pin 8 - Cathode



BOTTOM VIEW

Mounting Position

Any

Maximum And Minimum Ratings Are Design-Center Values

## AMPLIFIER

Plate Voltage 300 max. volts  
 Grid Voltage 0 min. volts  
 Plate Dissipation 2.5 max. watts

Characteristics - Class A<sub>1</sub> Amplifier:

Plate Voltage 250 volts  
 Grid Voltage\* -8 volts  
 Amplification Factor 20  
 Plate Resistance 10000 ohms  
 Transconductance 2000 μmhos  
 Plate Current 8 ma.

Typical Operation with Resistance Coupling:

See RESISTANCE-COUPLED AMPLIFIER CHART.

## DETECTOR

Typical Operation:

	Biased	Grid Leak	
Plate Voltage	250	45 to 100	volts
Grid Voltage	-17 approx.	Return to cathode	volts
Plate Current	Adjusted to 0.2 ma. with no input signal	-	
Grid Leak	-	0.1 to 1.0	megohm
Grid Condenser	-	0.00005 to 0.0005	μf

■ 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 of 6C5 connected to cathode. Values are approximate.

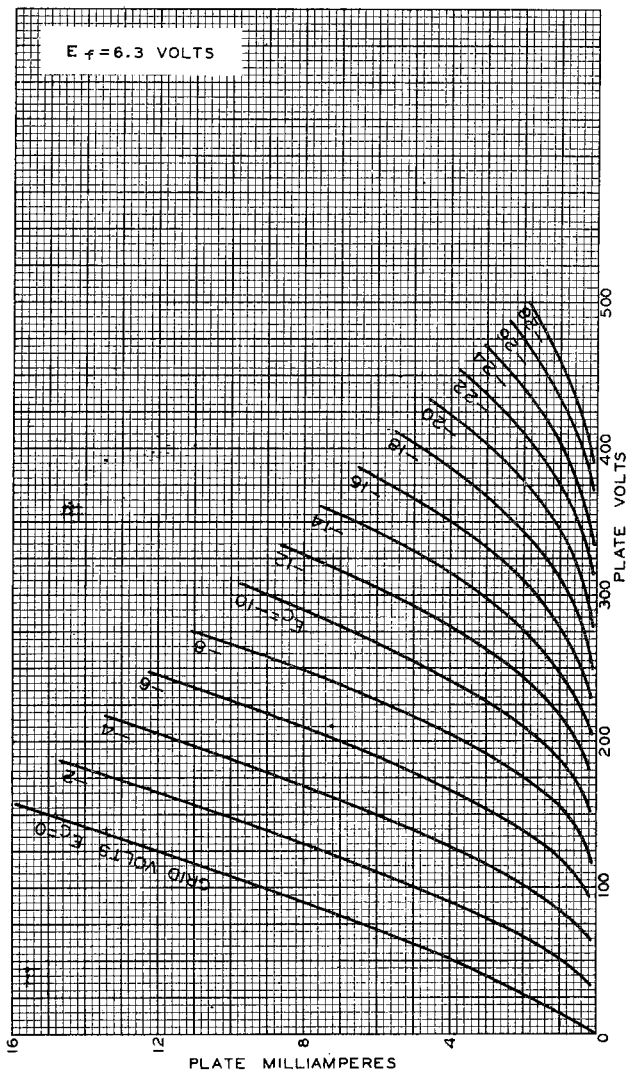
▲▲ with external shield connected to cathode. Values are approximate.  
 \* Under maximum rated conditions, the resistance in the grid circuit should not exceed 1.0 megohm.

6C5



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## AVERAGE PLATE CHARACTERISTICS

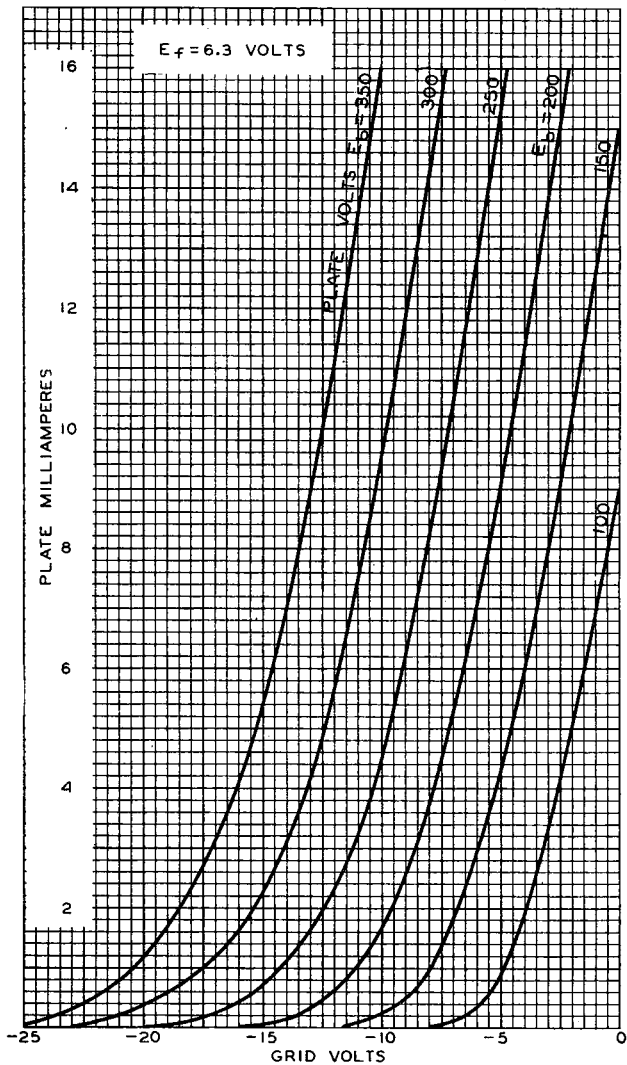


JULY 23, 1935

RCA VICTOR DIVISION  
RADIO CORPORATION OF AMERICA HARRISON, NEW JERSEY

92C-4441

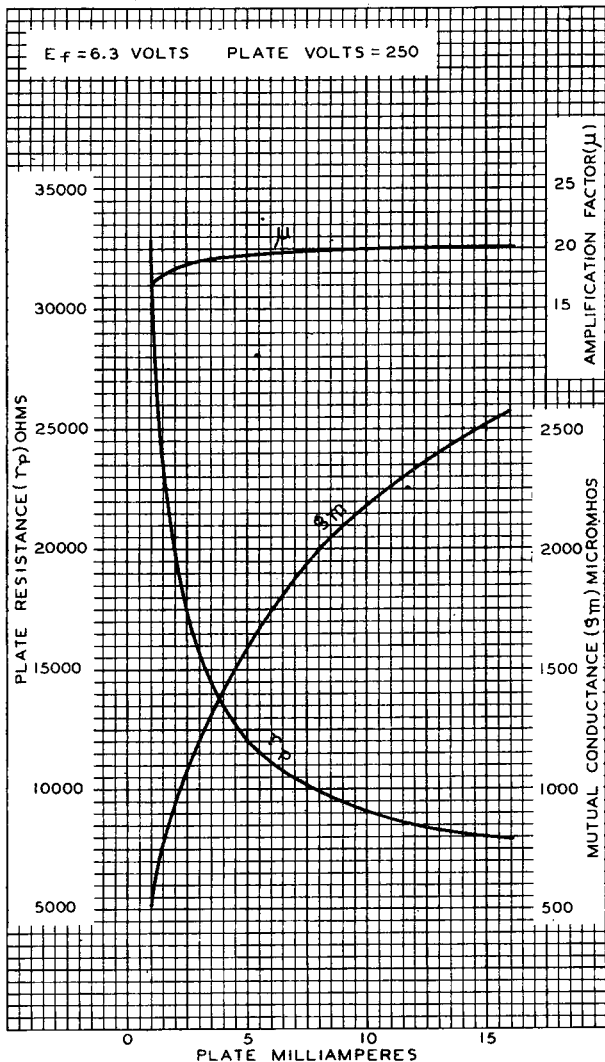
AVERAGE CHARACTERISTICS



6C5

RCA **Cunningham** Radiotron **RADIO TUBES**  
RCA-6C5

## AVERAGE CHARACTERISTICS



AUG. 23, 1935

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92C-4462