



956

SUPER-CONTROL R-F AMPLIFIER PENTODE

ACORN TYPE

Especially for wavelengths as short as 0.7 meter

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
Direct Interelectrode Capacitances:		
Grid to Plate*	0.007 max.	$\mu\mu\text{f}$
Input	3.4	$\mu\mu\text{f}$
Output	3.0	$\mu\mu\text{f}$
Overall Length		1-11/16" \pm 3/16"
Overall Diameter		1-3/32" \pm 1/16"
Bulb		T-4 $\frac{1}{2}$
End Terminals	See Outline in GENERAL SECTION	Two
Base		Small Radial 5-Pin
Pin 1-Heater		Pin 5-Cathode
Pin 2-Grid No.2		P-Plate
Pin 3-Grid No.3		G ₁ -Grid No.1
Pin 4-Heater		
RCA Socket		Stock No.9925
RCA Grid & Plate Clips		Stock No.9939
Mounting Position		Any



P is on Long Part of Bulb: Top
G₁ is on Short Part of Bulb: Bottom
BOTTOM VIEW (5BB)

Maximum and Minimum Ratings Are Design-Center Values
AMPLIFIER

D-C Plate Voltage	250 max.	volts
D-C Screen (Grid No.2) Voltage	100 max.	volts
Grid (No.1) Voltage	-3 min.	volts
Plate Dissipation	1.7 max.	watts
Screen Dissipation	0.3 max.	watt
D-C Heater-Cathode Potential	80 max.	volts

Characteristics— Class A₁ Amplifier:

D-C Plate Voltage	250	volts
Suppressor (Grid No.3) Connected to cathode at socket		
D-C Screen Voltage	100	volts
D-C Grid (No.1) Voltage*	-3	volts
Plate Resistance	0.7 approx.	megohm
Transconductance	1800	μmhos
Grid Bias for		
Transcond. of approx. 2 μmhos	-45	volts
D-C Plate Current	6.7	ma.
D-C Screen Current	2.7	ma.

MIXER— In Superheterodyne Circuit

D-C Plate Voltage	250 max.	volts
D-C Screen Voltage	100 max.	volts
D-C Heater-Cathode Potential	80 max.	volts

Typical Operation:

D-C Plate Voltage	100	250	volts
Suppressor	Connected to cathode at socket		
D-C Screen Voltage	100	100	volts
D-C Grid Voltage	-10	-10 approx.	volts

The grid bias shown is minimum for an oscillator peak voltage of 9 volts. These values are optimum.

•, * : See next page.

← Indicates a change.



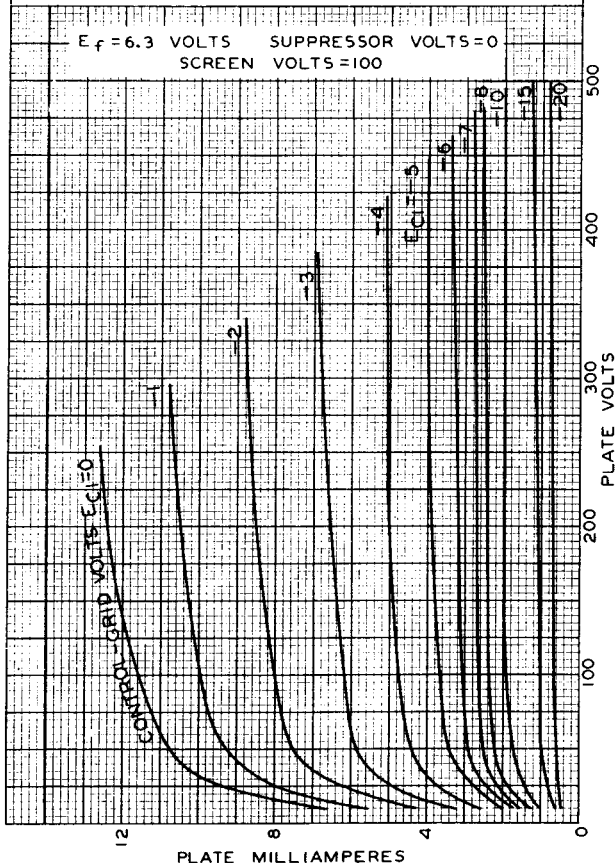
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(continued from preceding page)

- with shield baffle.
- * Under maximum rated conditions, the resistance in the grid circuit should not exceed 0.5 megohm with fixed bias, or 1.0 megohm with cathode bias.

*Typical R-F Amplifier Circuit for the 956
is the same as that for Type 954.*

AVERAGE PLATE CHARACTERISTICS

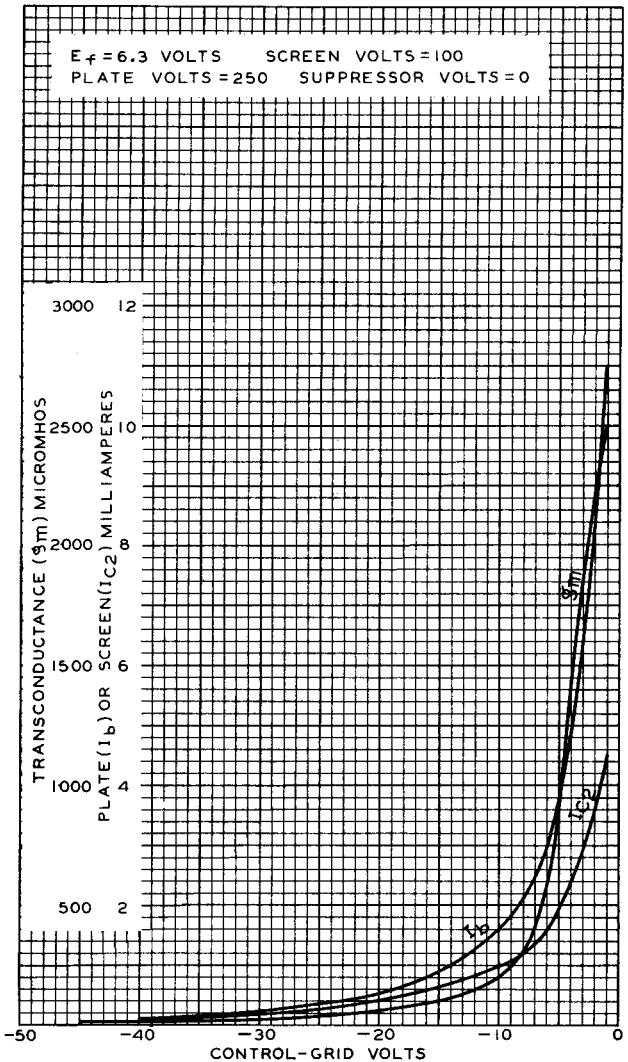




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AVERAGE CHARACTERISTICS



MAY 13, 1941

RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

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AVERAGE CHARACTERISTICS

