

76

Cunningham
Radiotron
RCA-76

SUPER-TRIODE AMPLIFIER, DETECTOR

For additional curves, see Type 56. For additional data, refer to **RESISTANCE-COUPLED AMPLIFIER CHART**.

Heater		Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts	
Current	0.3	amp.	
Direct Interelectrode Capacitances:			
Grid to Plate	2.8	μf	
Grid to Cathode	3.5	μf	
Plate to Cathode	2.5	μf	
Maximum Overall Length		4-3/16" ←	
Maximum Diameter		1-9/16"	
Bulb	(3)	ST-12	
Base		Small 5-Pin	
Pin 1-Heater	(2)	(4)	Pin 4-Cathode
Pin 2-Plate			Pin 5-Heater
Pin 3-Grid	(1)	(5)	
BOTTOM VIEW			
AMPLIFIER - Class A			
Operating Conditions and Characteristics:			
Heater *	6.3	6.3	volts
Plate	100	250 max.	volts
Grid *	-5	-13.5	volts
Amp. Fact.	13.8	13.8	
Plate Res.	12000	9500	ohms
Transcond.	1150	1450	μmhos
Plate Cur.	2.5	5	ma.
* The d-c resistance in the grid circuit of the 76 should not exceed 1.0 megohm.			
DETECTOR			
Typical Operation:	<u>Biased</u>		<u>Grid-Leak</u>
Heater *	6.3	6.3	6.3 volts
Plate	100	250 max.	45 volts
Grid	-8 ^o	-20 ^o	Return to cathode volts
Plate Cur.	Adjusted to 0.2 ma. with no input signal		—
Self-Bias Res.	**	**	— ohms
Grid Leak	—	—	1 to 5 megohms
Grid Condenser	—	—	0.00025 μf
o Approximate.			
** Not critical, 30000 to 150000 ohms being suitable.			
* 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.			

APRIL 5, 1937

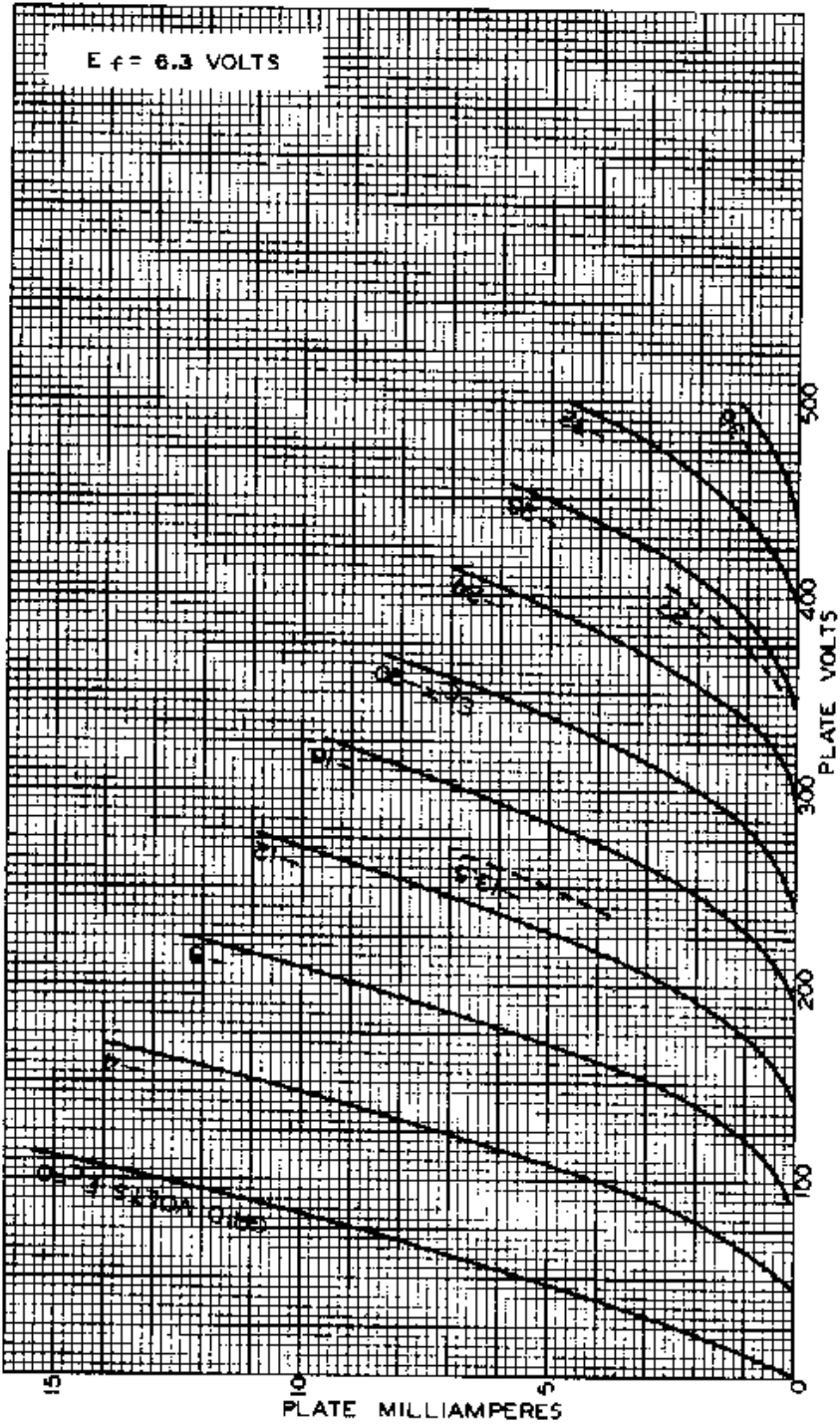
RCA RADIODRON DIVISION
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DATA

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AVERAGE PLATE CHARACTERISTICS



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