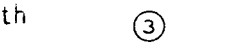
RCA Cunningham Radiotron RADIO TUBES

RCA-37

DETECTOR, AMPLIFIER

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
Direct Interelectrode Capacitances:		
Grid to Plate	2.0	μμf
Grid to Cathode	3.5	μμf
Plate to Cathode	2.9	μμf
Maximum Overall Length		4-3/16" ←
Maximum Diameter		1-9/16"
Bulb		ST-12
Base		Small 5-Pin
Pin 1-Heater		Pin 4-Cathode
Pin 2-Plate		Pin 5-Heater
Pin 3-Grid		



BOTTOM VIEW

AMPLIFIER - Class A

Operating Conditions and Characteristics:

Heater * □	6.3	6.3	6.3	6.3	volts
Plate	90	135	180	250 max.	volts
Grid **	-6	-9	-13.5	-18	volts
Amp. Fact.	9.2	9.2	9.2	9.2	
Plate Res.	11500	10000	10200	8400	ohms
Transcond.	800	925	900	1100	μmhos
Plate Cur.	2.5	4.1	4.3	7.5	ma.

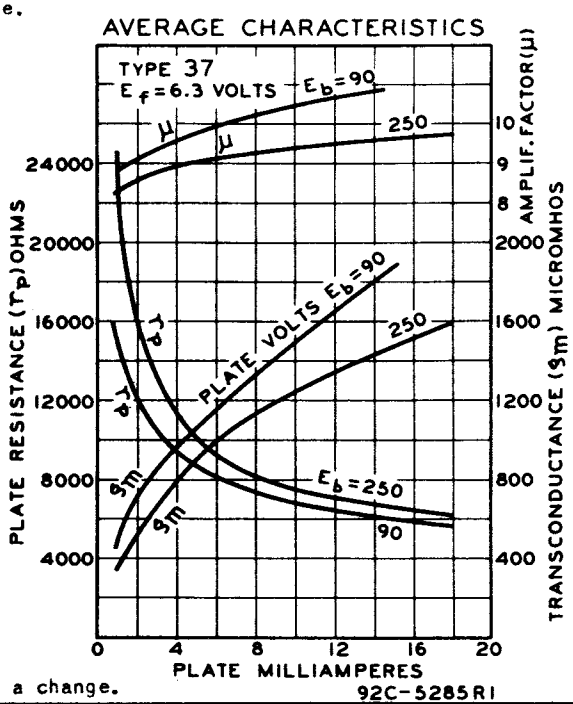
** The d-c resistance in the grid circuit should not exceed 1.0 megohm.

DETECTOR

Typical Operation:	*Biased*				*Grid-Leak*	
Heater *□	6.3	6.3	6.3	6.3	6.3	volts
Plate	90	135	180	250 max.	45	volts
Grid	-10#	-15#	-20#	-28#	Return to Cath.	volts
Plate Cur.	Adjusted to 0.2 ma. with no input signal.				-	
Grid Leak	-	-	-	-	1 to 5	megohms
Grid Condenser	-	-	-	-	0.00025	μf

□ For series operation, adjust heater current to 0.3 ampere.
* 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.
# Approximate.

AVERAGE CHARACTERISTICS



← Indicates a change.

92C-5285R1

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

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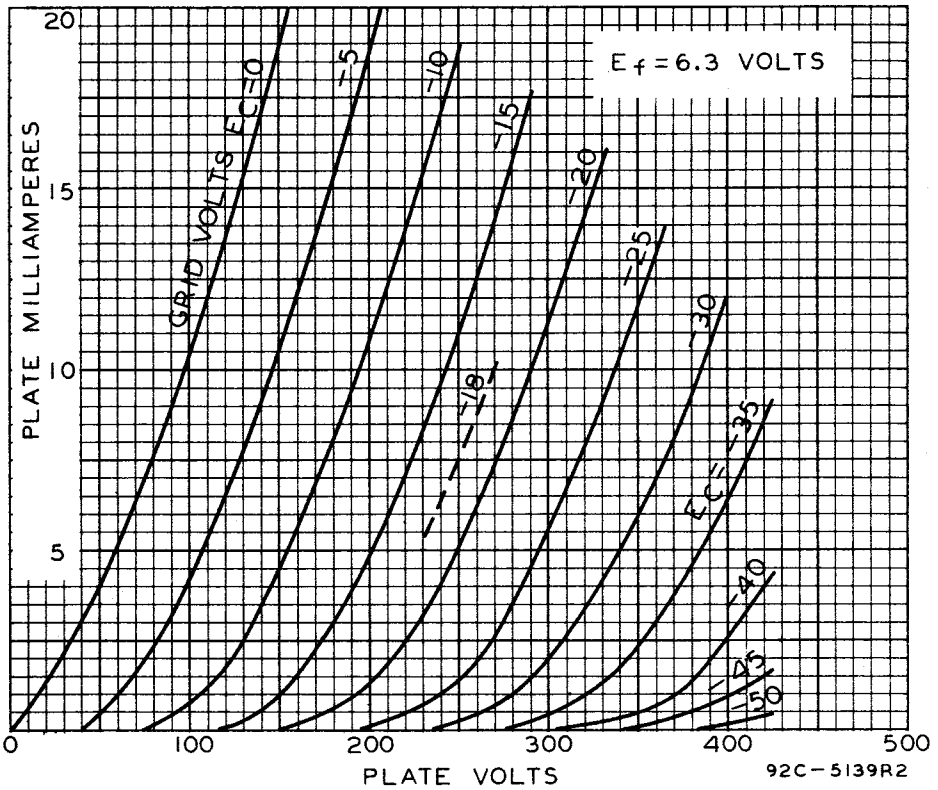
AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS