



RCA-112-A

112-A

AMPLIFIER, DETECTOR

Filament	Coated	
Voltage	5.0	d-c volts
Current	0.25	amp.
Direct Interelectrode Capacitances:		
Grid to Plate	8.5	μ f
Grid to Filament	4.0	μ f
Plate to Filament	2.0	μ f
Maximum Overall Length		4-11/16"
Maximum Diameter	(2) (3)	1-13/16"
Bulb		ST-14
Base		Medium 4-Pin Bay.
Pin 1-Filament+	(1) (4)	Pin 3-Grid
Pin 2-Plate		Pin 4-Filament-

BOTTOM VIEW

AMPLIFIER (Class A)

Operating Conditions and Characteristics:

Filament	5.0	5.0	5.0	d-c volts
Plate	90	135	180 max.	volts
Grid	-4.5	-9	-13.5	volts
Amp. Fact.	8.5	8.5	8.5	
Plate Res.	5400	5100	4700	ohms
Mut. Cond.	1575	1650	1800	μ mhos
Plate Cur.	5.0	6.2	7.7	ma.
Load Res.	5000	9000	10650	ohms
U.P.O.	0.035	0.13	0.285	watts

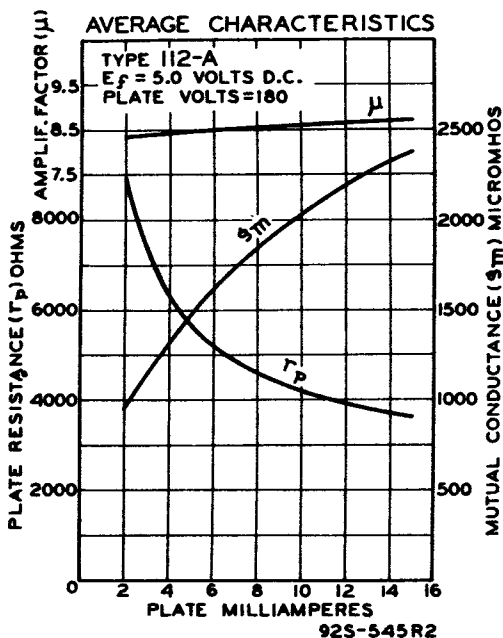
If a grid coupling resistor is used, its maximum value should not exceed 1.0 megohm.

DETECTOR

Typical Operation:

	Biased		Grid-Leak	
Filament	5.0	5.0	5.0	d-c volts
Plate	135	180	45	volts
Grid	-15*	-21*	Return to (+) Fil.	volts
Plate Cur.	Adjusted to 0.2 ma. with no input signal		-	
Grid Leak	-	-	0.25 to 5.0	megohms
Grid Condenser	-	-	0.00025	μ f

* Approximate.

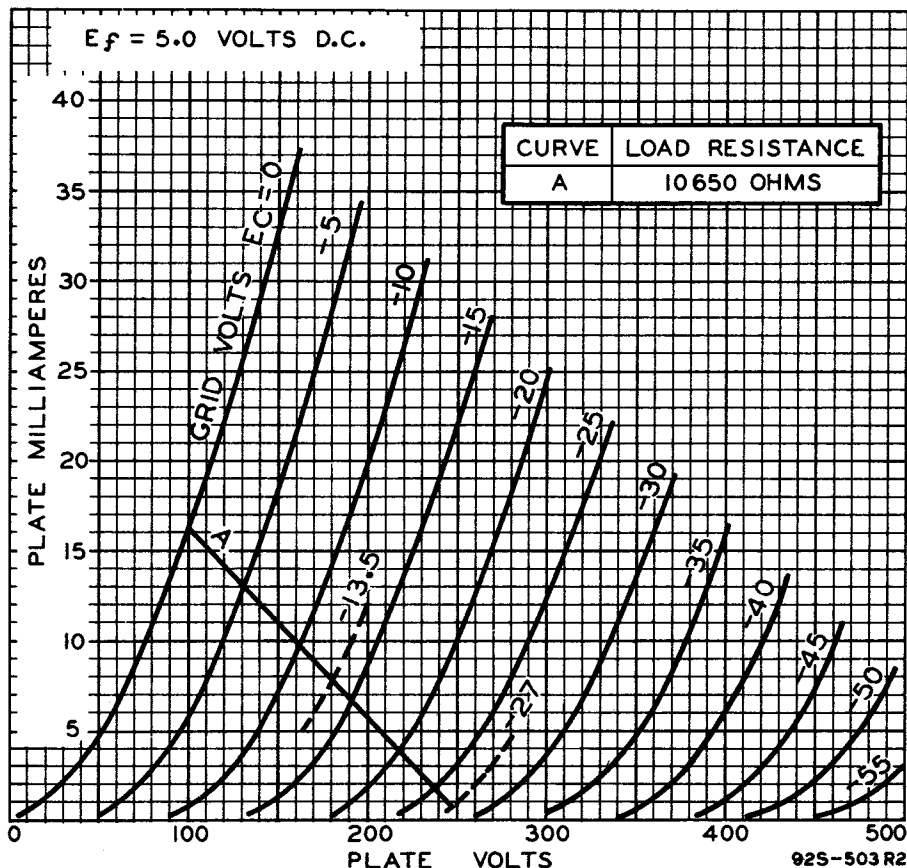


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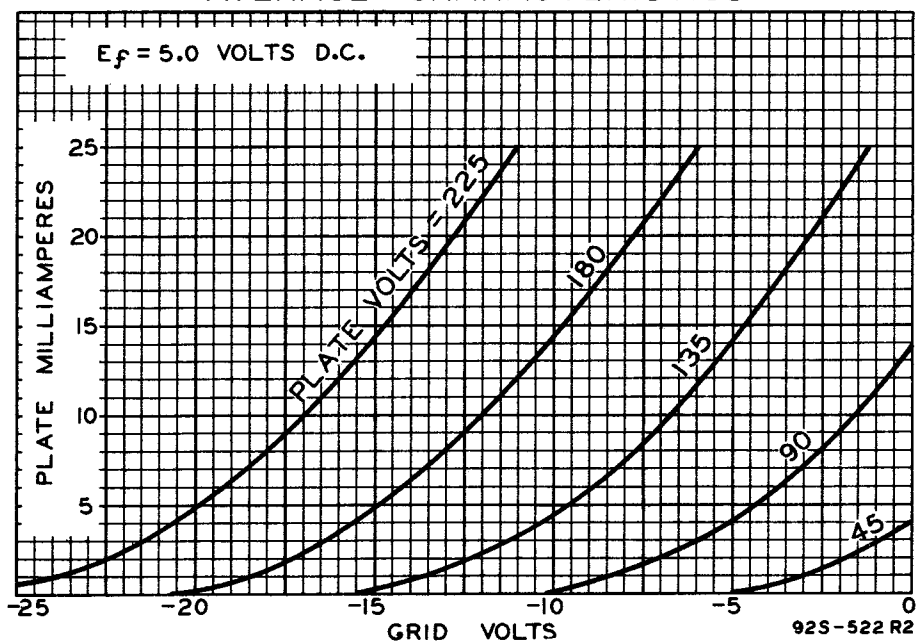

**Cunningham
Radiotron**


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AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS



JULY 16, 1935

 RCA RADIOTRON DIVISION
 RCA MANUFACTURING COMPANY, INC.

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