

Cunningham
Radiotron
 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	μf
Grid to Filament	4.0	μf
Plate to Filament	2.0	μf
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:

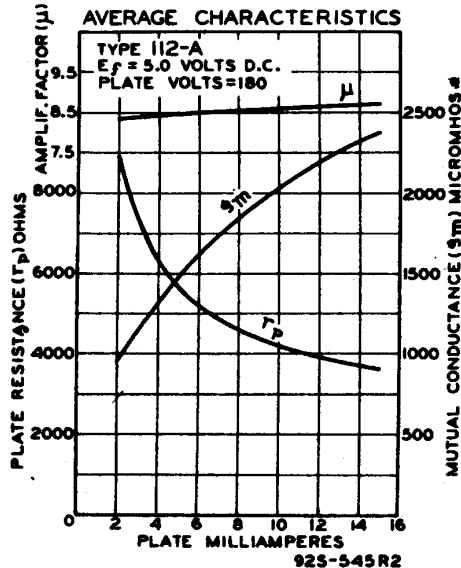
Filament	5.0	5.0	5.0	d-c volts
Plate	90	135	180 max.	volts
Grid	-4.5	-9	-13.5	volts
Amp. Fact.	8.5	8.5	8.5	
Plate Res.	5400	5100	4700	ohms
Mut. Cond.	1575	1650	1800	μmhos
Plate Cur.	5.0	6.2	7.7	ma.
Load Res.	5000	9000	10650	ohms
U.P.O.	0.035	0.13	0.285	watts

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

DETECTOR

Typical Operation:	<u>Biased</u>	<u>Grid-Leak</u>	
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 μf

* Approximate.



JULY 1, 1935

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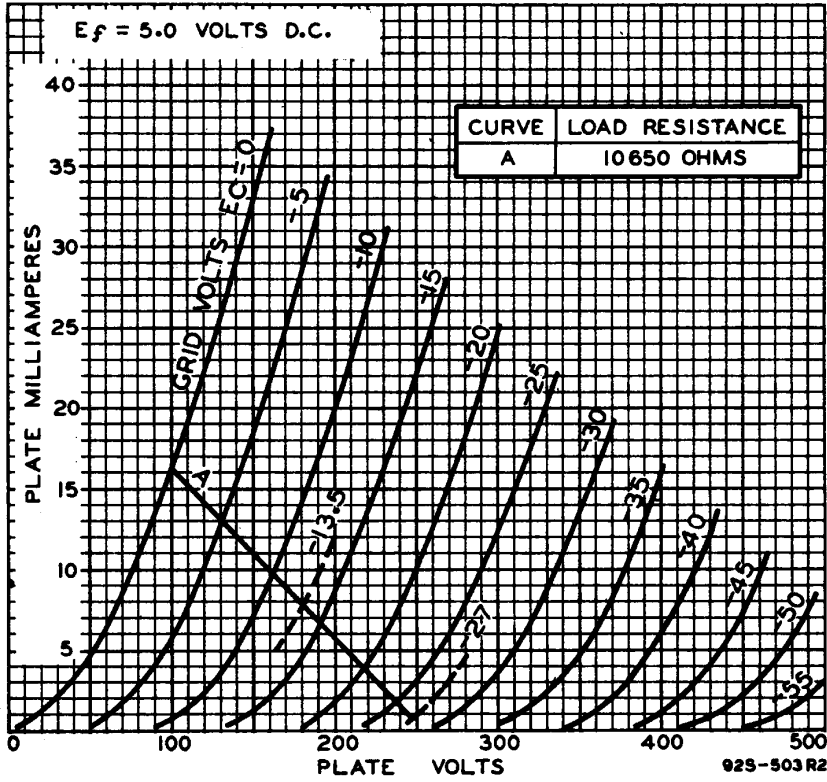
DATA

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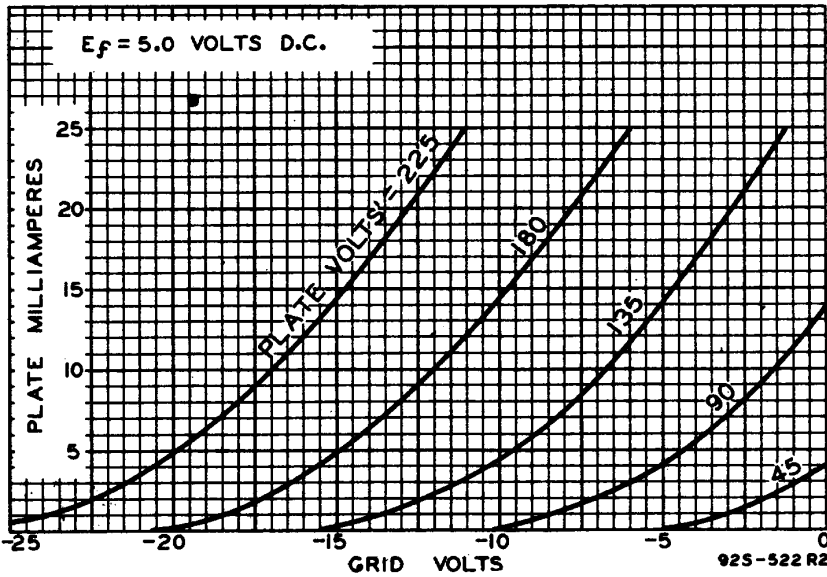


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AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS



JULY 16, 1935

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