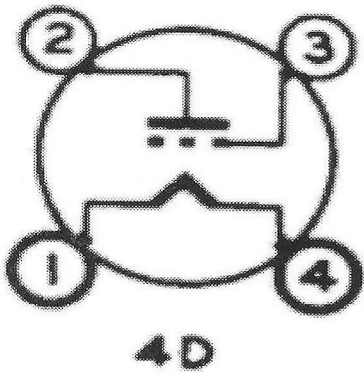


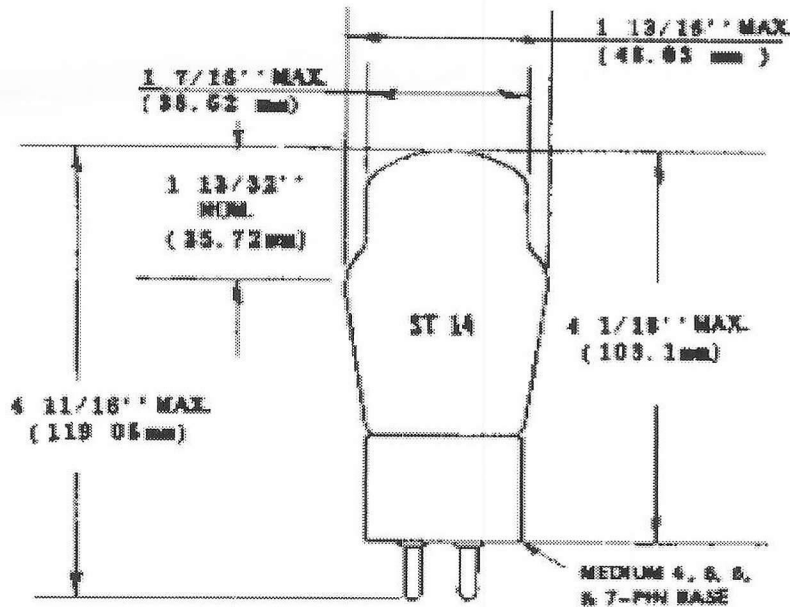
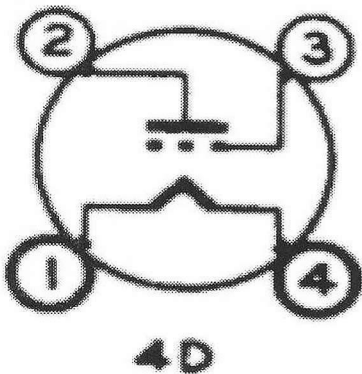
Base & Bulb (RCA R-10 - 1930)



EIA Bulb 14-0

01A & 201A
Triode

Base & Bulb (RCA RC-13 - 1937)



Application (RCA R-10 - 1930)

Storage-battery triode used as detector or amplifier.

Mechanical Data (RCA R-10 - 1930)

Courtesy of nuco.w.com

Bulb	S-14
Base	Medium 4-Pin
Outline	14-0
Maximum Overall Length	4-11/16 In.
Maximum Seated Height	4-3/16 In.
Maximum Diameter	1-13/16 In.

Tube 01A & 201A Triode

Mechanical Data (RCA RC-13 - 1937)

Bulb	ST-14
Base	
Outline	14-1
Maximum Overall Length	4-11/16 In.
Maximum Seated Height	4-1/16 In.
Maximum Diameter	1-13/16 In.
EIA Base	

Electrical Data (RCA R-10 - 1930)

Filament Voltage	5.0 DC V
Filament Current	0.25 A

Direct Interelectrode Capacitances (approx) (RCA R-10 - 1930)

Triode	
Input	3.1 pf
Output	2.2 pf
Grid to Plate	8.1 pf

Maximum Ratings (Design Center Values) (RCA R-10 - 1930)

Courtesy of nucow.com

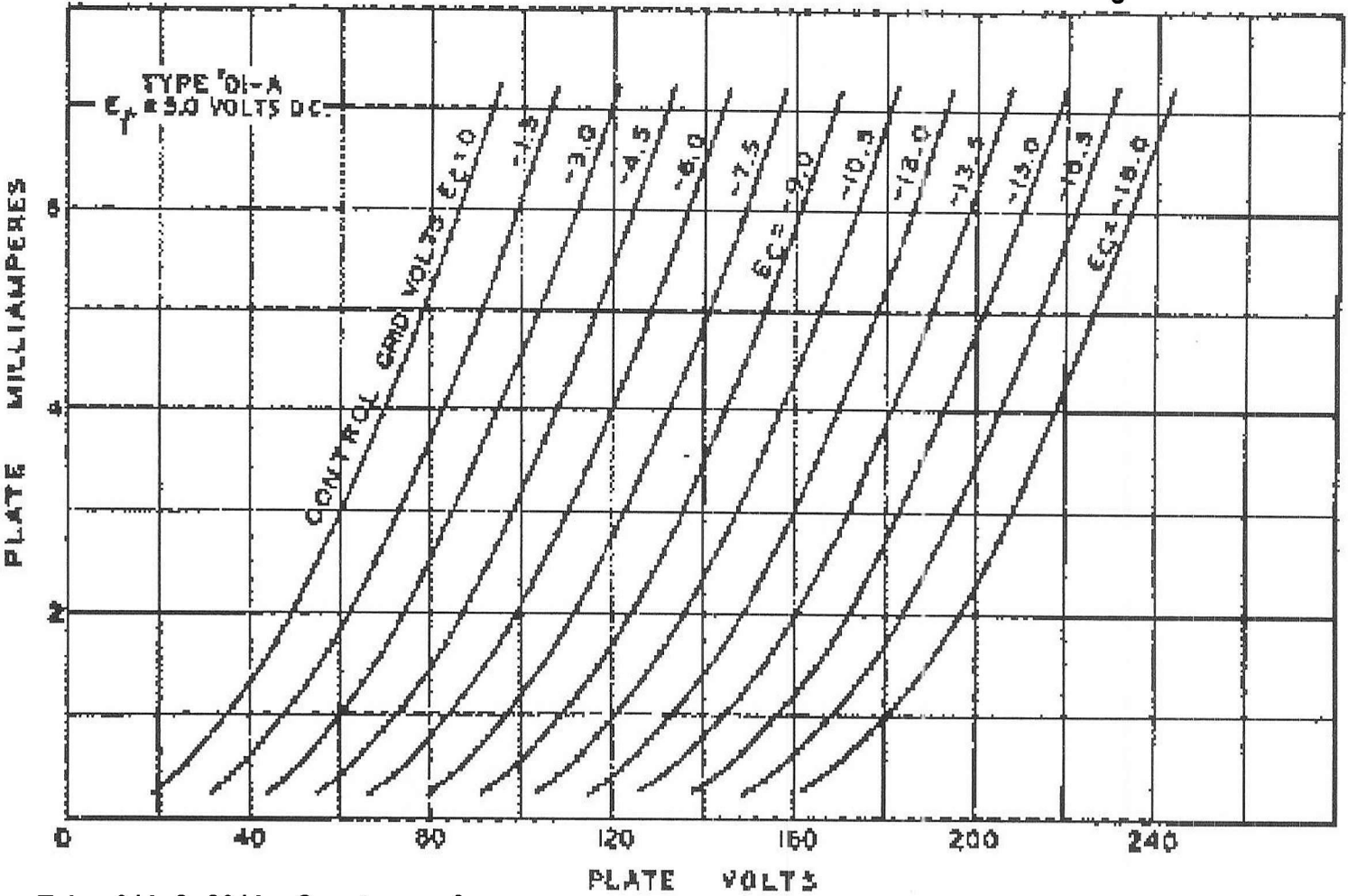
Triode	
Plate Voltage	135 V
Grid No. 1 Circuit Resistance	
Self Bias	2-3M Ω

Characteristics and Typical Operation (RCA R-10 - 1930)

Class A Amplifier	
Plate Voltage	90 V
Grid No. 1 Voltage	-4.5 V
Amplification Factor	8
Plate Resistance (approx)	11K Ω
Transconductance	725 μS
Plate Current	2.5 mA

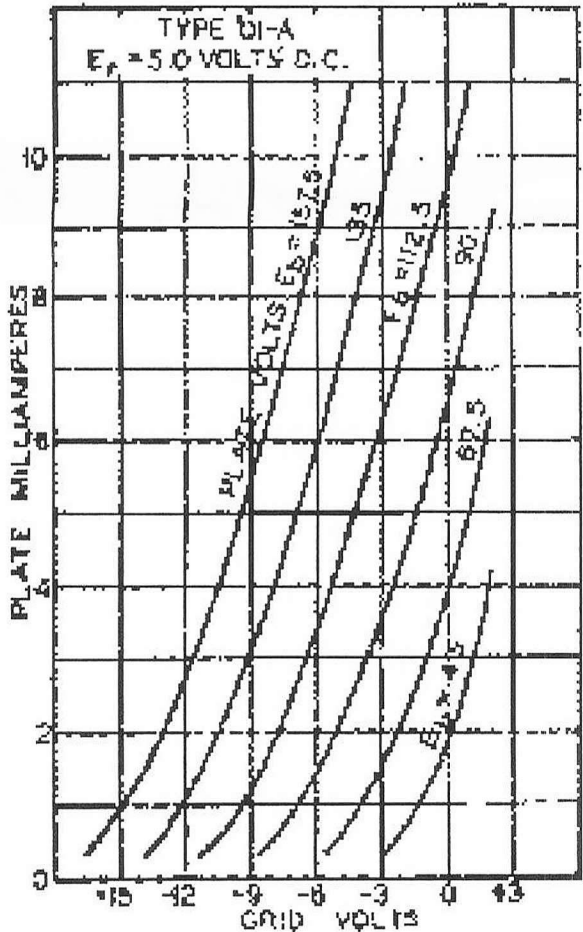
Characteristics and Typical Operation (RCA R-10 - 1930)

Class A Amplifier	
Plate Voltage	135 V
Grid No. 1 Voltage	-9 V
Amplification Factor	8
Plate Resistance (approx)	10K Ω
Transconductance	800 μS
Plate Current	3.0 mA

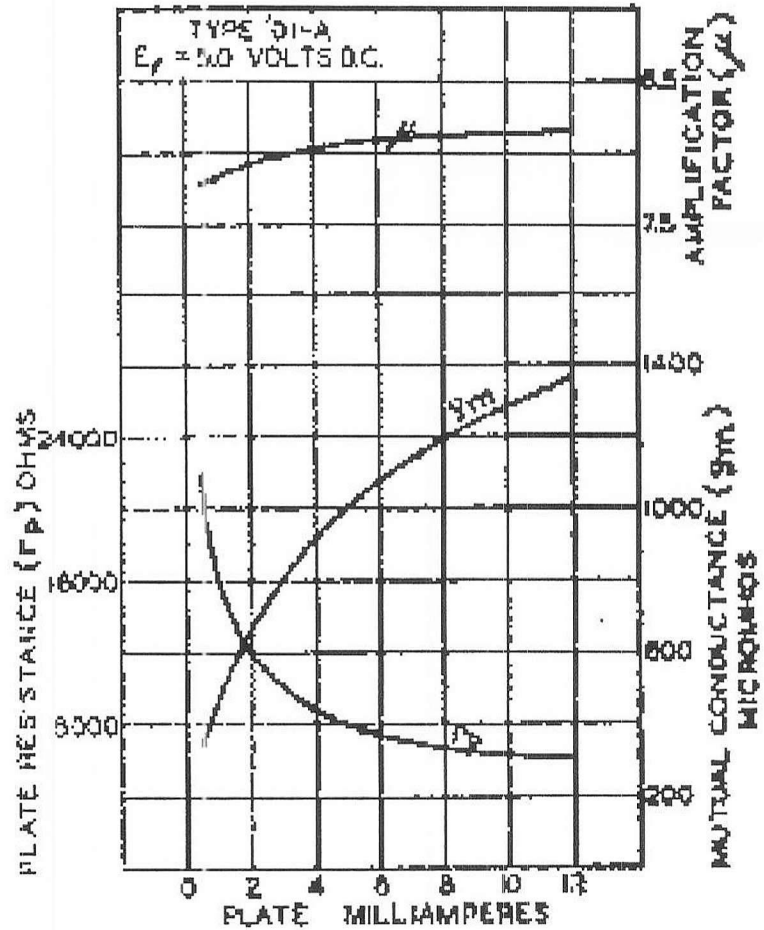


Tube 01A & 201A Courtesy of nucow.com

AVERAGE CHARACTERISTICS

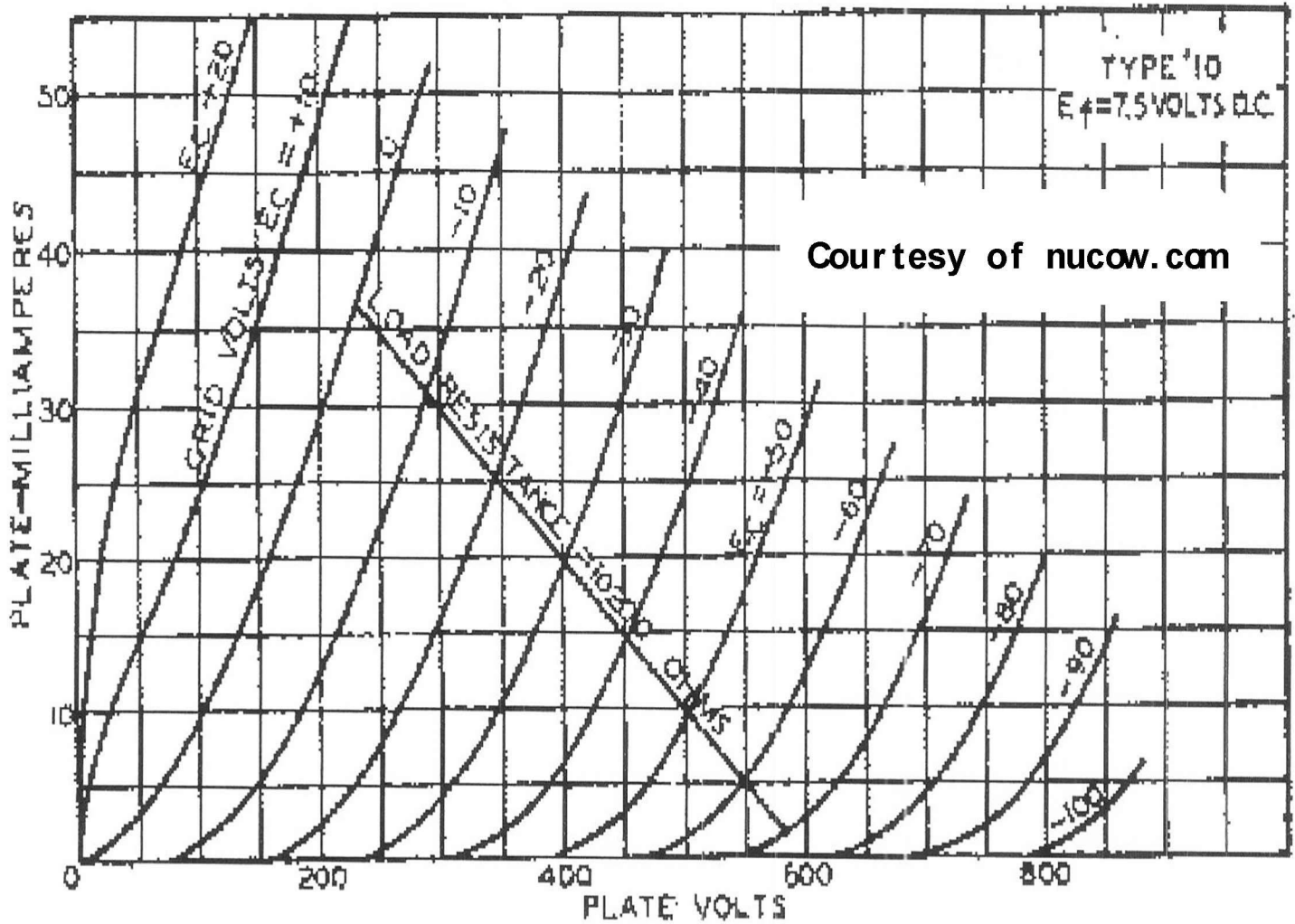


AVERAGE CHARACTERISTICS



Tube 01A & 201A

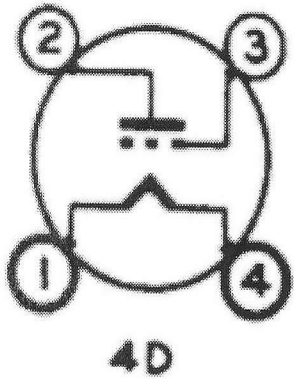
AVERAGE PLATE CHARACTERISTICS



Courtesy of nuow.com

112A
Triode Detector Amplifier

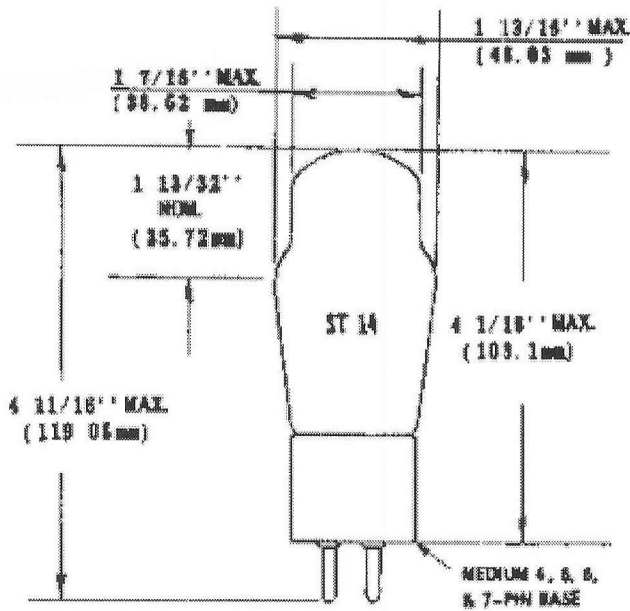
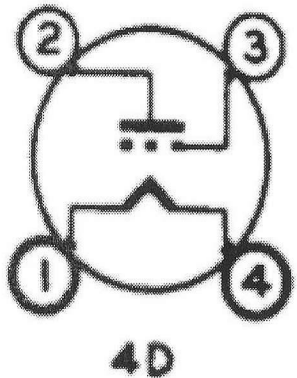
Base & Bulb (RCA R-10 - 1930)



EIA Bulb 14-0

112A
Triode Detector Amplifier

Base & Bulb (RCA RC-13 - 1937)



Application (RCA R-10 - 1930)
Courtesy of nucow.com

Glass type used as detector or amplifier in battery-operated radio receivers.
Requires four-contact socket.

Mechanical Data (RCA R-10 - 1930)

Bulb	S-14
Base	Medium 4-Pin Bayonet
Outline	14-0
EIA Base	4D
Mounting Position	Vertical

Bulb	ST-14
Outline	14-1

Electrical Data (RCA R-10 - 1930)

Filament Voltage	5.0 DC V
Filament Current	0.25 A

Direct Interelectrode Capacitances (approx) (RCA R-10 - 1930)

Triode	
Input	4.2 pf
Output	2.1 pf
Grid to Plate	8.1 pf

Direct Interelectrode Capacitances (approx) (RCA RC-13 - 1937)

Triode	
Input	4.0 pf
Output	2.0 pf
Grid to Plate	8.5 pf

Maximum Ratings (Design Center Values) (RCA R-10 - 1930)

Courtesy of nucow.com

Triode	
Plate Voltage	180 V
Bulb Temperature (At Hottest Point)	°C

Characteristics and Typical Operation (RCA R-10 - 1930)

Class A Amplifier	
Plate Voltage	90 V
Grid No. 1 Voltage	-4.5 V
Amplification Factor	8.5
Plate Resistance (approx)	5.6K Ω
Transconductance	1500 μ ^U
Plate Current	5.2 mA
Load Resistance	5.6K Ω
Power Output (approx)	0.03 W

Characteristics and Typical Operation (RCA R-10 - 1930)

Class A Amplifier	
Plate Voltage	135 V
Grid No. 1 Voltage	-9.0 V
Amplification Factor	8.5
Plate Resistance (approx)	5.3K Ω
Transconductance	1600 μ ^U
Plate Current	6.2 mA
Load Resistance	8.7K Ω

Power Output (approx) 0.115 W

Characteristics and Typical Operation (RCA R-10 - 1930)

Tube 112A

Page 3 of 3

Class A Amplifier

Plate Voltage 180 V
Grid No. 1 Voltage -13.5 V
Amplification Factor 8.5
Plate Resistance (approx) 5K Ω
Transconductance 1700 μS
Plate Current 7.6 mA
Load Resistance 10.8K Ω
Power Output (approx) 0.26 W

Characteristics and Typical Operation (RCA RC-13 - 1937)

Courtesy of nuow.com

Class A Amplifier

Plate Voltage 90 V
Grid No. 1 Voltage -4.5 V
Amplification Factor 8.5
Plate Resistance (approx) 5.4K Ω
Transconductance 1575 μS
Plate Current 5.0 mA
Load Resistance 5K Ω
Power Output (approx) 0.035 W

Characteristics and Typical Operation (RCA RC-13 - 1937)

Class A Amplifier

Plate Voltage 135 V
Grid No. 1 Voltage -9.0 V
Amplification Factor 8.5
Plate Resistance (approx) 5.1K Ω
Transconductance 1650 μS
Plate Current 6.2 mA
Load Resistance 9K Ω
Power Output (approx) 0.13 W

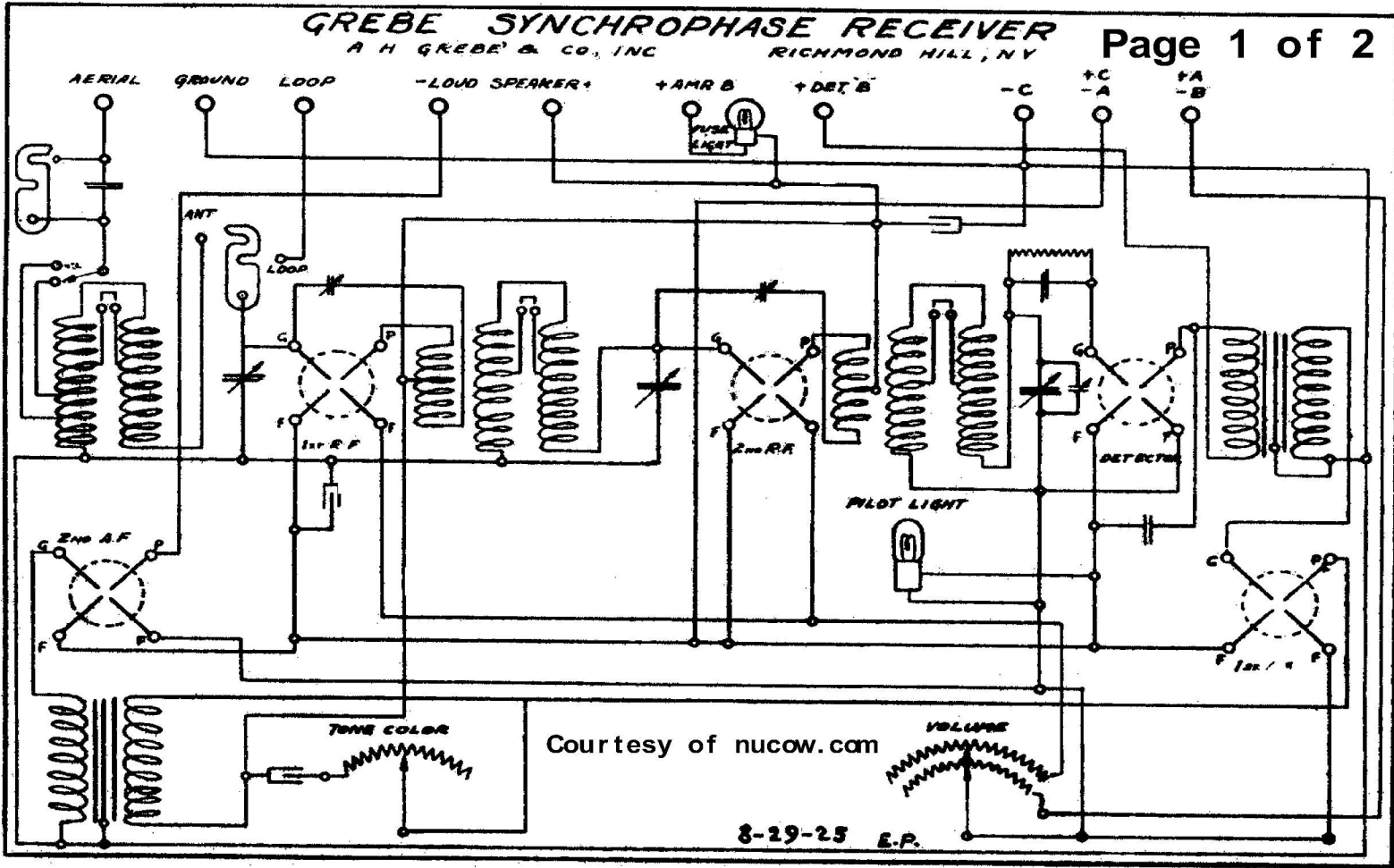
Characteristics and Typical Operation (RCA RC-13 - 1937)

Class A Amplifier

Plate Voltage 180 V
Grid No. 1 Voltage -13.5 V
Amplification Factor 8.5
Plate Resistance (approx) 4.7K Ω
Transconductance 1800 μS
Plate Current 7.7 mA
Load Resistance 10.5K Ω
Power Output (approx) 0.285 W

Notes: (RCA RC-15 1947)

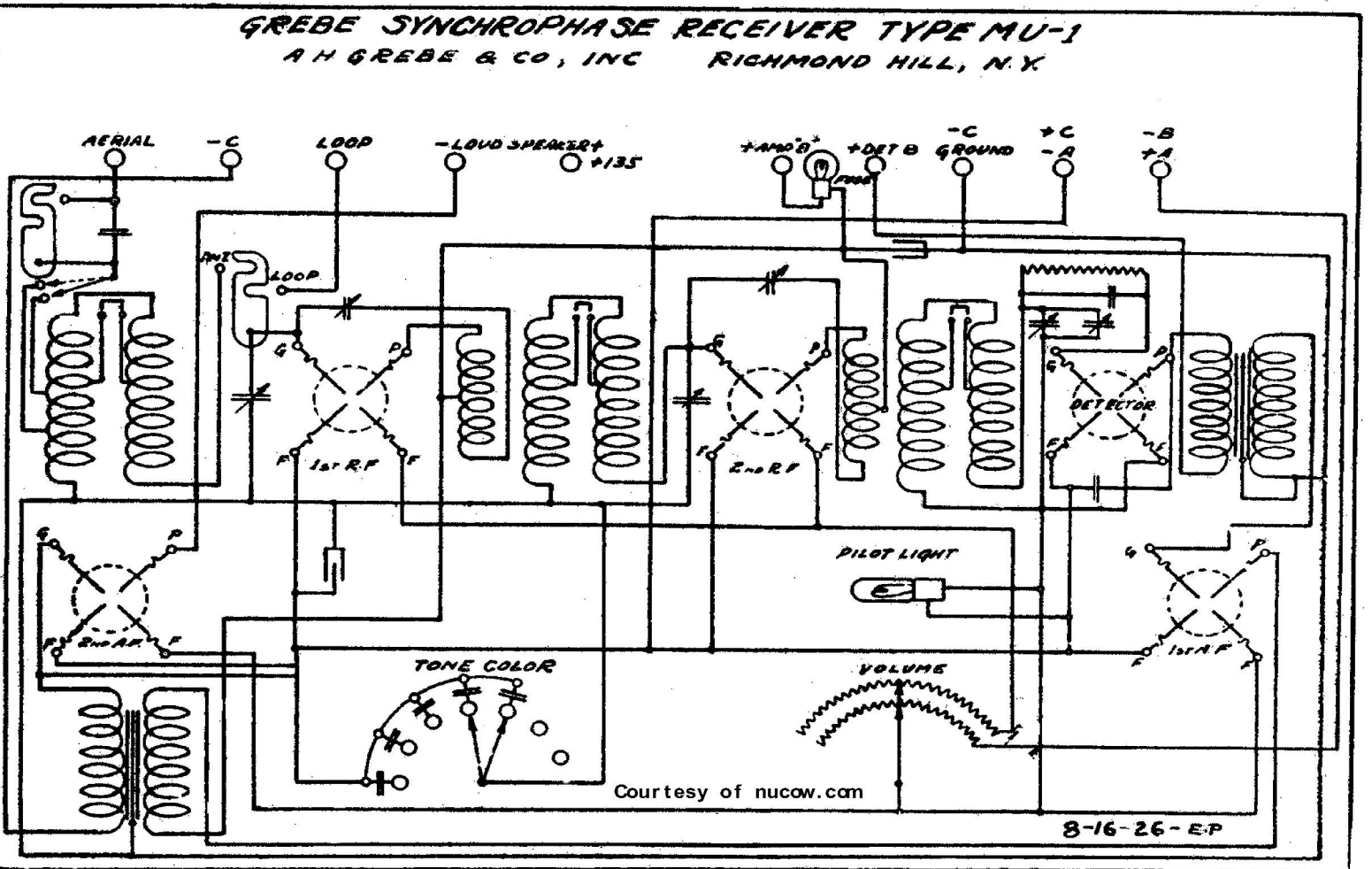
GREBE SYNCHROPHASE RECEIVER
A H GREBE & CO., INC RICHMOND HILL, N.Y.



Courtesy of nuow.com

8-29-25 E.P.

GREBE SYNCHROPHASE RECEIVER TYPE MU-1
A H GREBE & CO., INC RICHMOND HILL, N.Y.

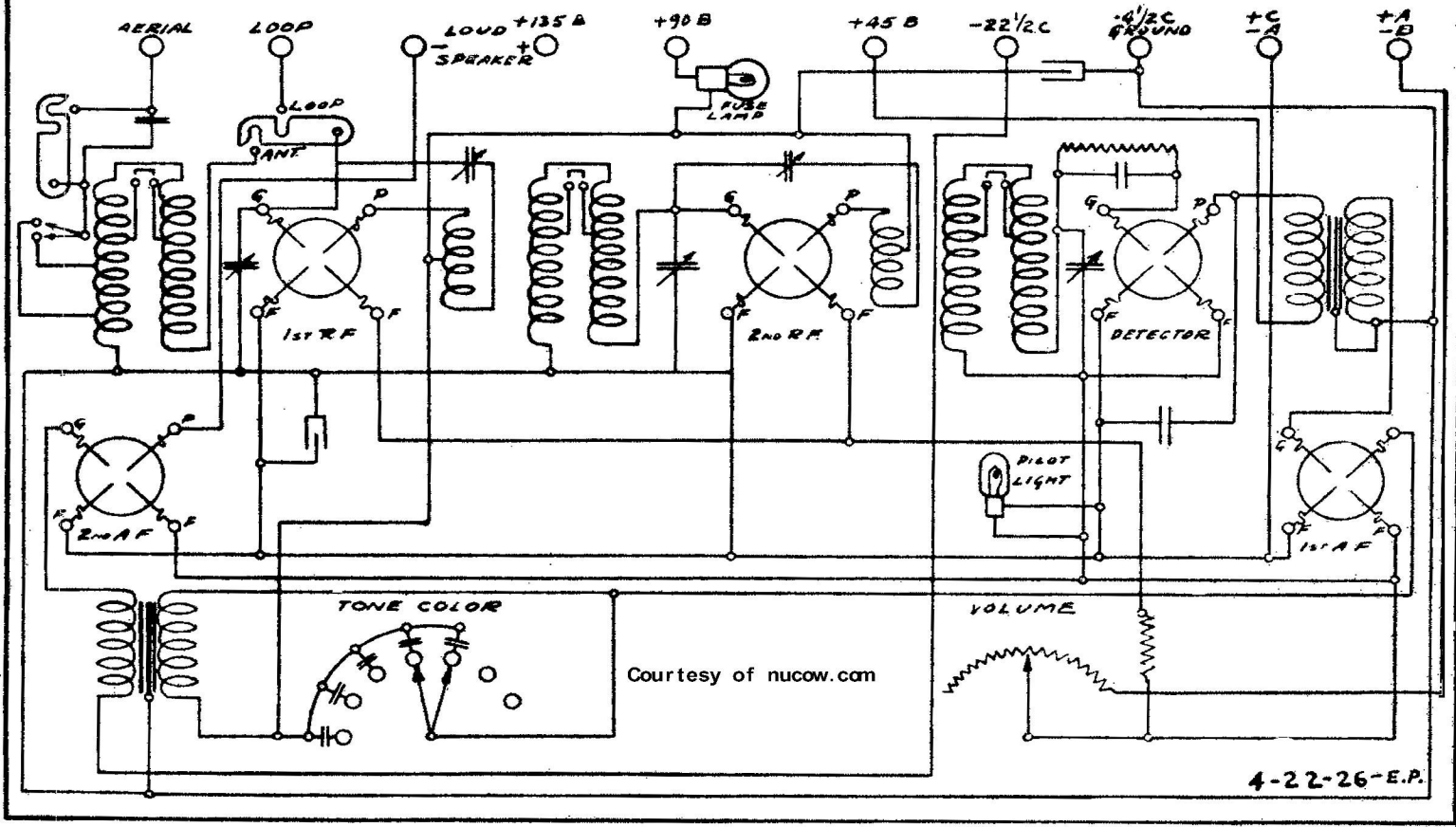


Courtesy of nuow.com

8-16-26-E.P.

Model Synchrophase MU-2 A.H. GREBE & CO., Inc.

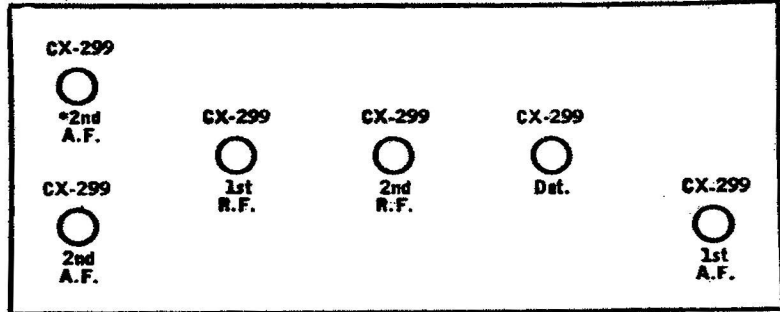
GREBE SYNCHROPHASE RECEIVER TYPE MU-2
A.H. GREBE & CO. INC. RICHMOND HILL, N.Y.



Courtesy of nucow.com

MU-2

(Batt.)



* 2nd Audio Frequency tubes are in parallel.

GREBE SYNCHROPHASE "5" or "MU-1"
 Tube No. 5 Used in 1925 Models
 Tube No. 6 Used in Early 1927 Models
 Tube No. 7 Used in Late 1927 Models

TUBE NO. IN ORDER	TYPE OF TUBE	POSITION OF TUBE 1ST R.F. DET. ETC.	READINGS, PLUS IN SOCKET OF SET						TUBE IN TESTER		
			A VOLTS	B VOLTS	C VOLTS	D VOLTS	E VOLTS	CATHODE VOLTS	NORMAL PLATE M.A.	PLATE M.A. GRID TEST	PLATE M.A. CHANGE
201A	1st. R.F.		6	100	5	90	4.5		5.0	7.5	2.5
201A	2nd. R.F.		6	100	5	90	4.5		5.0	7.5	2.5
201A	Detector		6	25	5	90	5.0		2.0	5.5	3.5
201A	1st. A.F.		6	100	5	90	4.5		5.0	7.5	2.5
201A	2nd. A.F.		6	100	5	90	4.5		5.0	7.5	2.5
112	2nd. A.F.		6	150	5	135	5		9.0	13.5	4.5
171A	2nd. A.F.		6	200	5	180	4.0		20.0	26.0	6.0

MU-1

(Batt.)

