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MEDIUM-MU TRIODE

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage.	6.3	ac or dc volts
Current.	0.3	amp

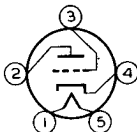
Direct Interelectrode Capacitances:⁰

Grid to Plate.	2.8	μf
Grid to Cathode.	3.5	μf
Plate to Cathode.	2.5	μf

⁰ With no external shield.**Mechanical:**

Mounting Position.	Any
Maximum Overall Length.	4-3/16"
Seated Length.	3-3/8" $\pm$ 3/16"
Maximum Diameter.	1-9/16"
Bulb.	ST-12
Base.	Small-Shell Small 5-Pin
Basing Designation for BOTTOM VIEW.	5A

Pin 1-Heater
Pin 2-Plate
Pin 3-Grid



Pin 4-Cathode
Pin 5-Heater

AMPLIFIER - Class A₁**Maximum Ratings, Design-Center Values:**

PLATE VOLTAGE.	250 max.	volts	←
PLATE DISSIPATION.	1.4 max.	watts	←
PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode.	90 max.	volts	
Heater positive with respect to cathode.	90 max.	volts	

Typical Operation and Characteristics:

Plate Voltage.	100	250	volts
Grid Voltage.	-5	-13.5	volts
Amplification Factor.	13.8	13.8	
Plate Resistance.	12000	9500	ohms
Transconductance.	1150	1450	μmhos
Plate Current.	2.5	5	ma

Maximum Circuit Values:

Grid-Circuit Resistance.	1 max.	megohm
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← Indicates a change.



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DETECTOR**Maximum Ratings, Design-Center Values:**

PLATE VOLTAGE.	250 max.	volts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode.	90 max.	volts
Heater positive with respect to cathode.	90 max.	volts

Typical Operation as Biased Detector:

Plate Voltage.	100	250 . .	volts
Grid Voltage (Approx.)	-8	-20 . .	volts
Plate Current.	Adjust to 0.2 ma. with no input signal		
Cathode-Bias Resistor [▲]	$\left\{ \begin{array}{cc} 30000 & 30000 \\ \text{to} & \text{to} \\ 150000 & 150000 \end{array} \right\}$		ohms

Typical Operation as Grid-Resistor Detector:

Plate Voltage.	45 . .	volts
Grid	Return to cathode	
Grid Resistor.	1 to 5	megohms
Grid Capacitor	250 . .	μmf

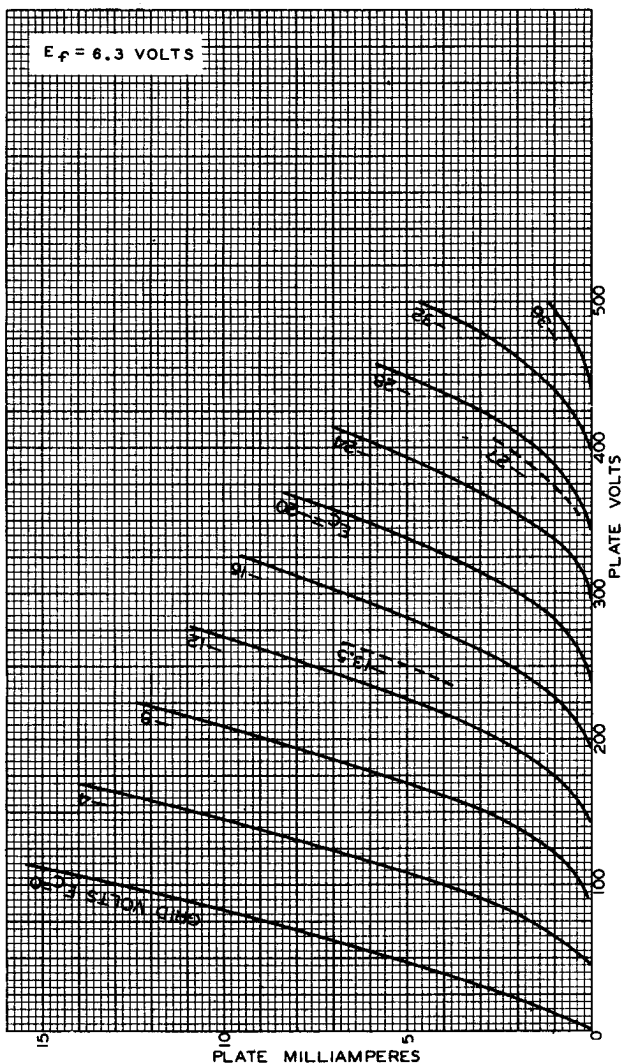
[▲] Not critical.



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AVERAGE PLATE CHARACTERISTICS



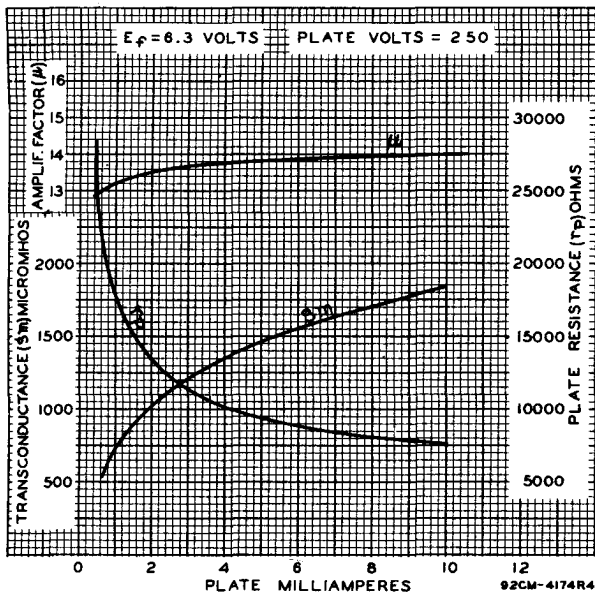
MAR. 5, 1934

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-4175R2



AVERAGE CHARACTERISTICS



AVERAGE CHARACTERISTICS

