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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:⁰Grid 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

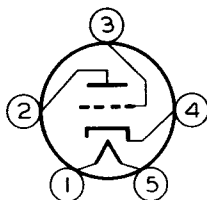
AMPLIFIER - Class A₁**Maximum Ratings, Design-Center Values:**

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

← 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	..	$\mu\mu\text{f}$

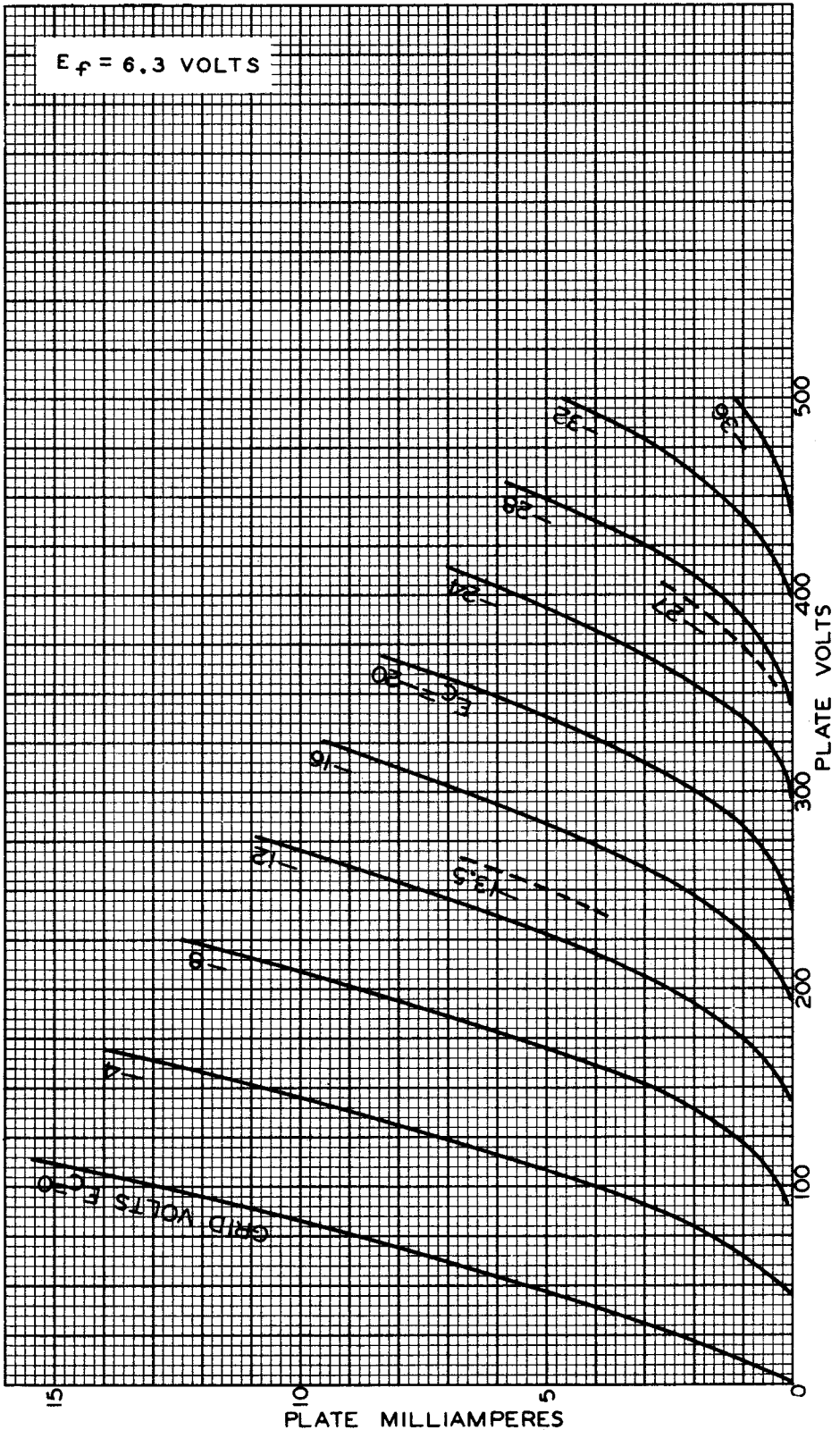
[▲] Not critical.



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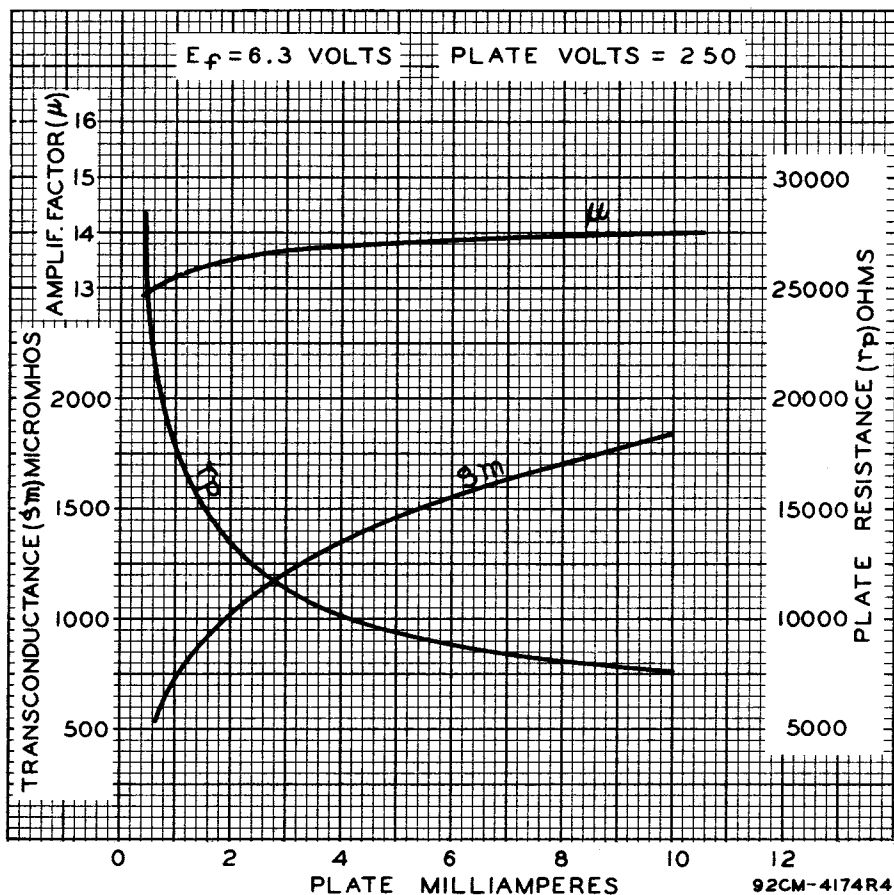
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AVERAGE PLATE CHARACTERISTICS





AVERAGE CHARACTERISTICS



AVERAGE CHARACTERISTICS

