



19J6

19J6 MEDIUM-MU TWIN TRIODE

MINIATURE TYPE

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage. 18.9 ac or dc volts

Current. 0.15 amp

Direct Interelectrode Capacitances (Each unit, approx.):⁰Grid to Plate. 1.5 μf Grid to Cathode. 2.0 μf Plate to Cathode. 0.4 μf ⁰ With no external shield.**Mechanical:**

Mounting Position. Any

Maximum Overall Length. 2-1/8"

Maximum Seated Length. 1-7/8"

Length, Base Seat to Bulb Top (excluding tip) 1-1/2" $\pm$ 3/32"

Maximum Diameter. 3/4"

Bulb. T-5-1/2

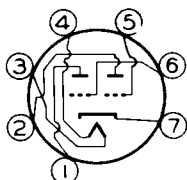
Base. Small-Button Miniature 7-Pin

Basing Designation for BOTTOM VIEW. 7BF

Pin 1-Plate of
Triode No.2Pin 2-Plate of
Triode No.1

Pin 3-Heater

Pin 4-Heater

Pin 5-Grid of
Triode No.1Pin 6-Grid of
Triode No.2

Pin 7-Cathode

AMPLIFIER - Class A₁*Values are for each unit***Maximum Ratings, Design-Center Values:**

PLATE VOLTAGE. 300 max. volts

PLATE DISSIPATION. 1.5 max. watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. 90 max. volts

Heater positive with respect to cathode. 90 max. volts

Characteristics:

Plate Voltage. 100 . . . volts

Cathode-Bias Resistor[▲]. 50[◆] . . . ohms

Amplification Factor. 38

Plate Resistance. 7100 . . . ohms

Transconductance. 5300 . . . μmhos

Plate Current. 8.5 . . . ma

Maximum Circuit Values (for maximum rated conditions):

Grid-Circuit Resistance:

For cathode-bias operation. 0.5 max. megohm

[▲], [◆]: See next page.

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TENTATIVE DATA

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MEDIUM-MU TWIN TRIODE

MIXER SERVICE

Values are for each unit

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE	300 max.	volts
PLATE DISSIPATION.	1.5 max.	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode. .	90 max.	volts
Heater negative with respect to cathode. .	90 max.	volts

Characteristics:

Plate Voltage.	150 . .	volts
Cathode-Bias Resistor [▲]	810 [†] . .	ohms
Oscillator Peak Voltage.	3 . .	volts
Plate Resistance	10200 . .	ohms
Conversion Transconductance.	1900 . .	μmhos
Short-Circuit Input Conductance		
at 100 Mc	96 . .	μmhos
Plate Current.	4.8 . .	ma

Maximum Circuit Values (for maximum rated conditions):

Grid-Circuit Resistance:

For cathode-bias operation 0.5 max. megohm

[▲] operation with fixed bias is not recommended.

[◆] value is for both units operating at the specified conditions.

[†] for one unit, with other unit not operating. When both units are operating, the value of cathode-bias resistor is determined by the total cathode current of both units.

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TENTATIVE DATA

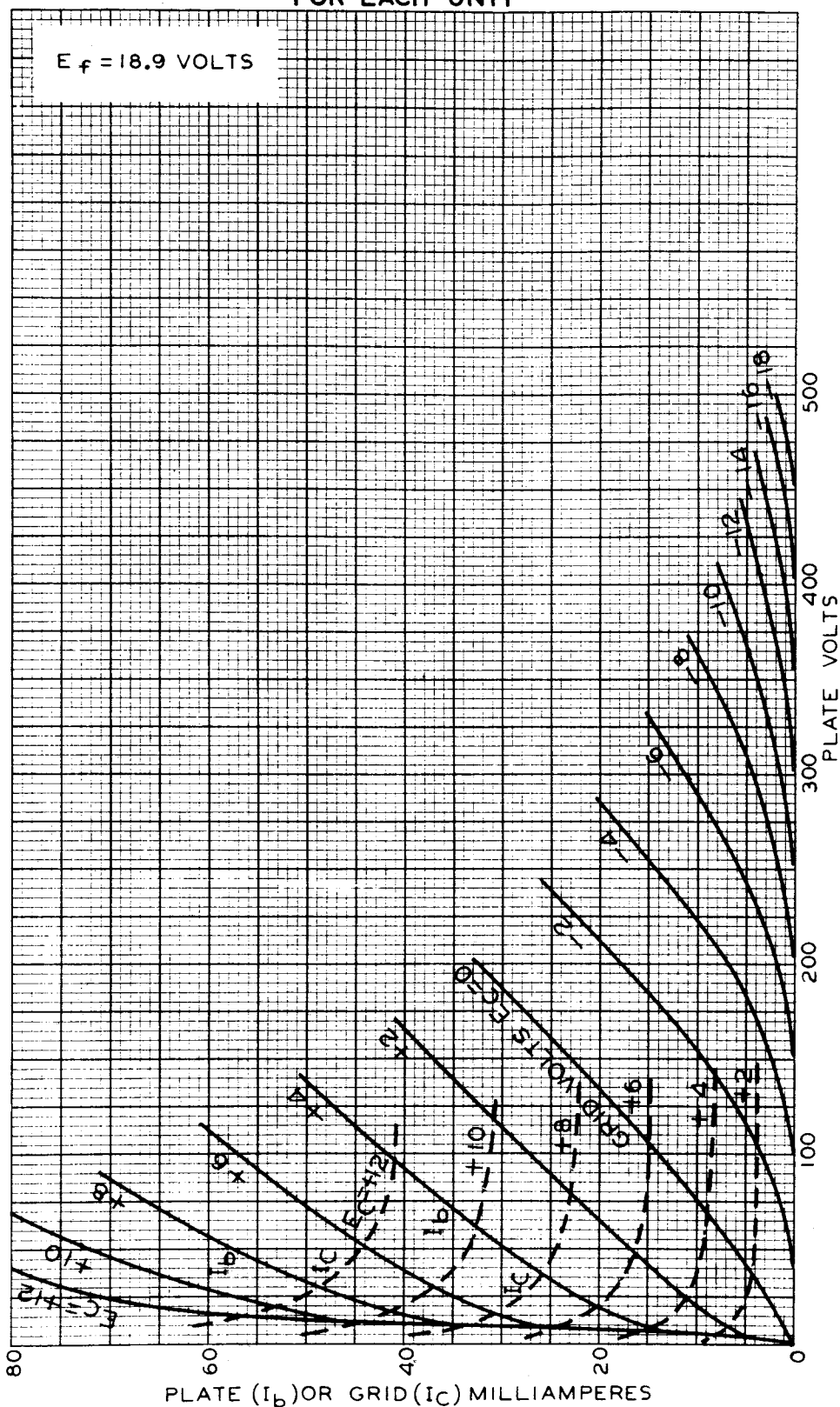
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AVERAGE PLATE CHARACTERISTICS FOR EACH UNIT



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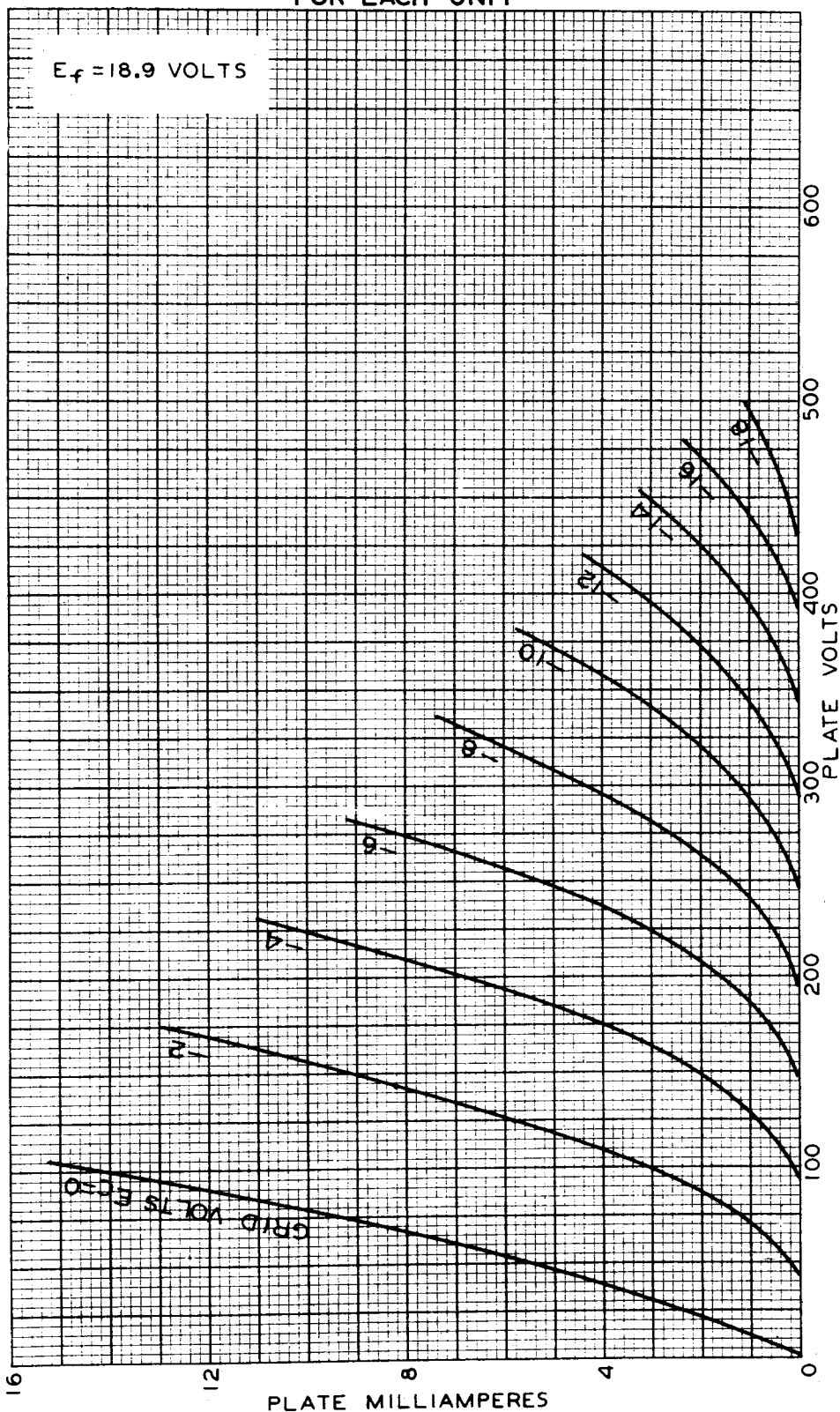
92CM-7061

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AVERAGE PLATE CHARACTERISTICS FOR EACH UNIT



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