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HIGH-MU TWIN POWER TRIODE

GENERAL DATA**Electrical:**

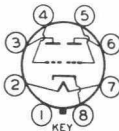
Heater, for Unipotential Cathode:

Voltage. 6.3 ac or dc volts
 Current. 0.6 amp

Mechanical:

Mounting Position. Any
 Maximum Overall Length 3-5/16"
 Maximum Seated Length 2-3/4"
 Maximum Diameter 1-5/16"
 Bulb T-9
 Base Intermediate-Shell Octal 8-Pin
 Basing Designation for BOTTOM VIEW G-8B

Pin 1-No
 Connection
 Pin 2-Heater
 Pin 3-Plate of
 Unit No.2
 Pin 4-Grid of
 Unit No.2



Pin 5-Grid of
 Unit No.1
 Pin 6-Plate of
 Unit No.1
 Pin 7-Heater
 Pin 8-Cathode

AF POWER AMPLIFIER—Class B**Maximum Ratings, Design-Center Values:**

DC PLATE VOLTAGE 300 max. volts
 PEAK PLATE CURRENT (per plate) 90 max. ma.
 PLATE DISSIPATION (per plate) 3 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:*Values are for 2 units unless otherwise specified*

DC Plate Voltage 300 300 volts
 DC Grid Voltage. 0 0 volts
 Peak AF Grid-to-Grid Voltage 70 108* volts
 Zero-Signal DC Plate Current 6.6 6.6 ma.
 Max.-Signal DC Plate Current 54 54 ma.
 Peak Grid Current (per unit) 38 39 ma.
 Plate-Supply Impedance 0 1000* ohms
 Effective Load Resistance
 (plate-to-plate) 12000 12000 ohms
 Effective Grid-Circuit Impedance
 (per unit) 0 516** ohms
 Total Harmonic Distortion 4 5 %
 Max.-Signal Power Output 10.4 10.4 watts

•, *, **: See next page.

← Indicates a change.

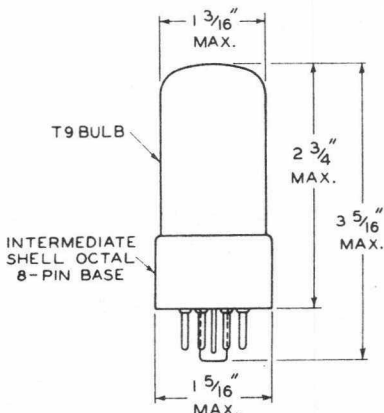
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- Includes peak voltage drop through the grid-circuit impedance.
- * Practical design value.
- ** At 400 cycles for class B stage in which the effective resistance per grid circuit is 500 ohms, and the leakage reactance of the coupling transformer is 50 millihenrys. The driver stage should be capable of supplying the grids of the class B stage with the specified values at low distortion.

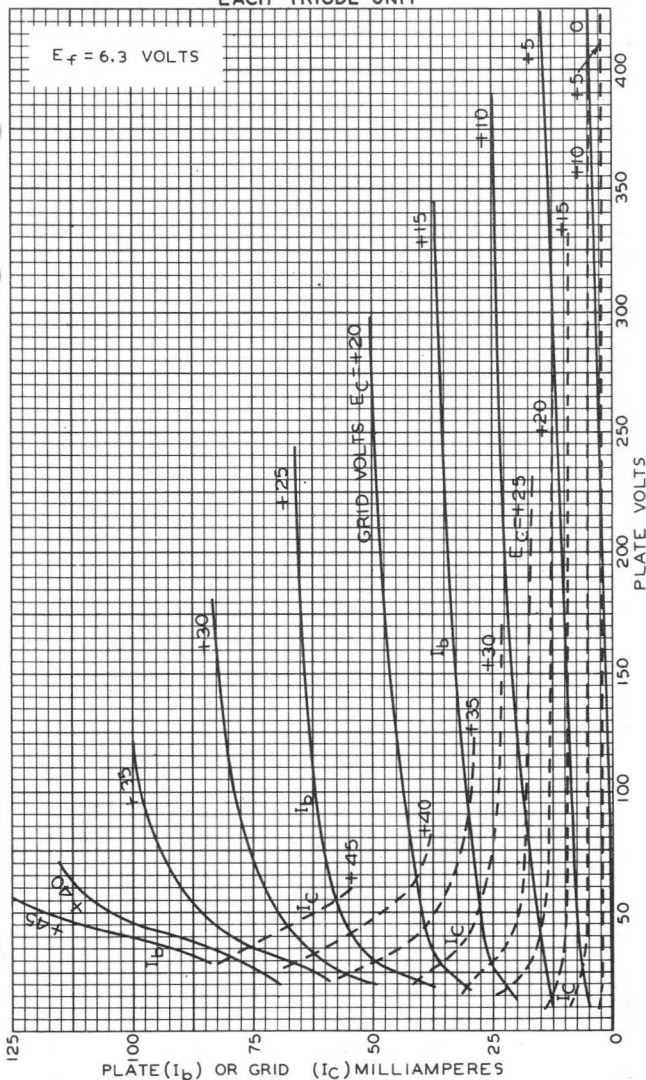


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AVERAGE PLATE CHARACTERISTICS
EACH TRIODE UNIT

FEB. 26, 1942

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

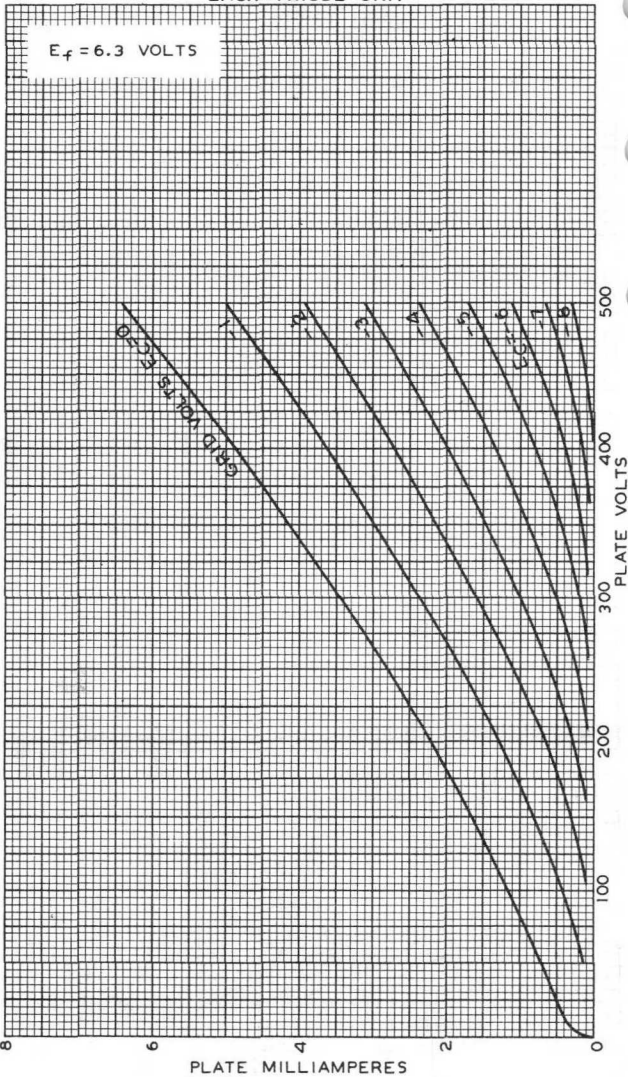
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AVERAGE PLATE CHARACTERISTICS EACH TRIODE UNIT



FEB. 27, 1942

RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

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