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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"

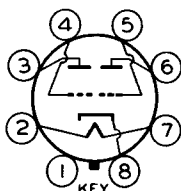
Bulb T-9

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.2Pin 4 - Grid of
Unit No.2Pin 5 - Grid of
Unit No.1Pin 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 ohmsEffective 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.

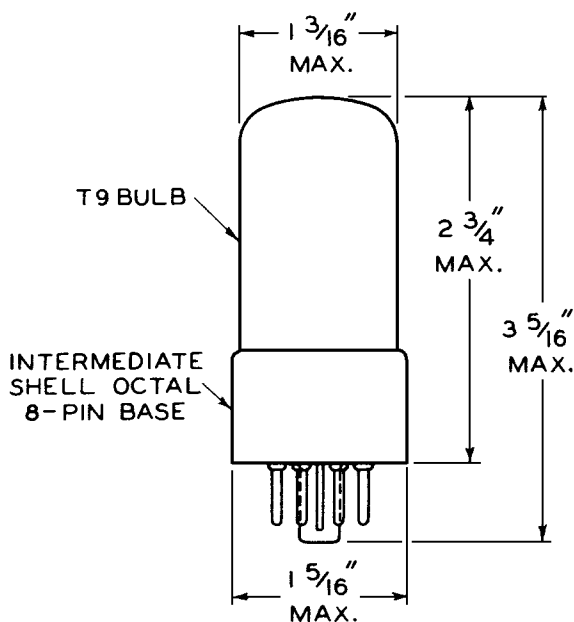
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- Includes peak voltage drop through the grid-circuit impedance.
- * Practical design value.
- ** At 400 cycles for class B stage in which the effective resistance per grid circuit is 500 ohms, and the leakage reactance of the coupling transformer 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.

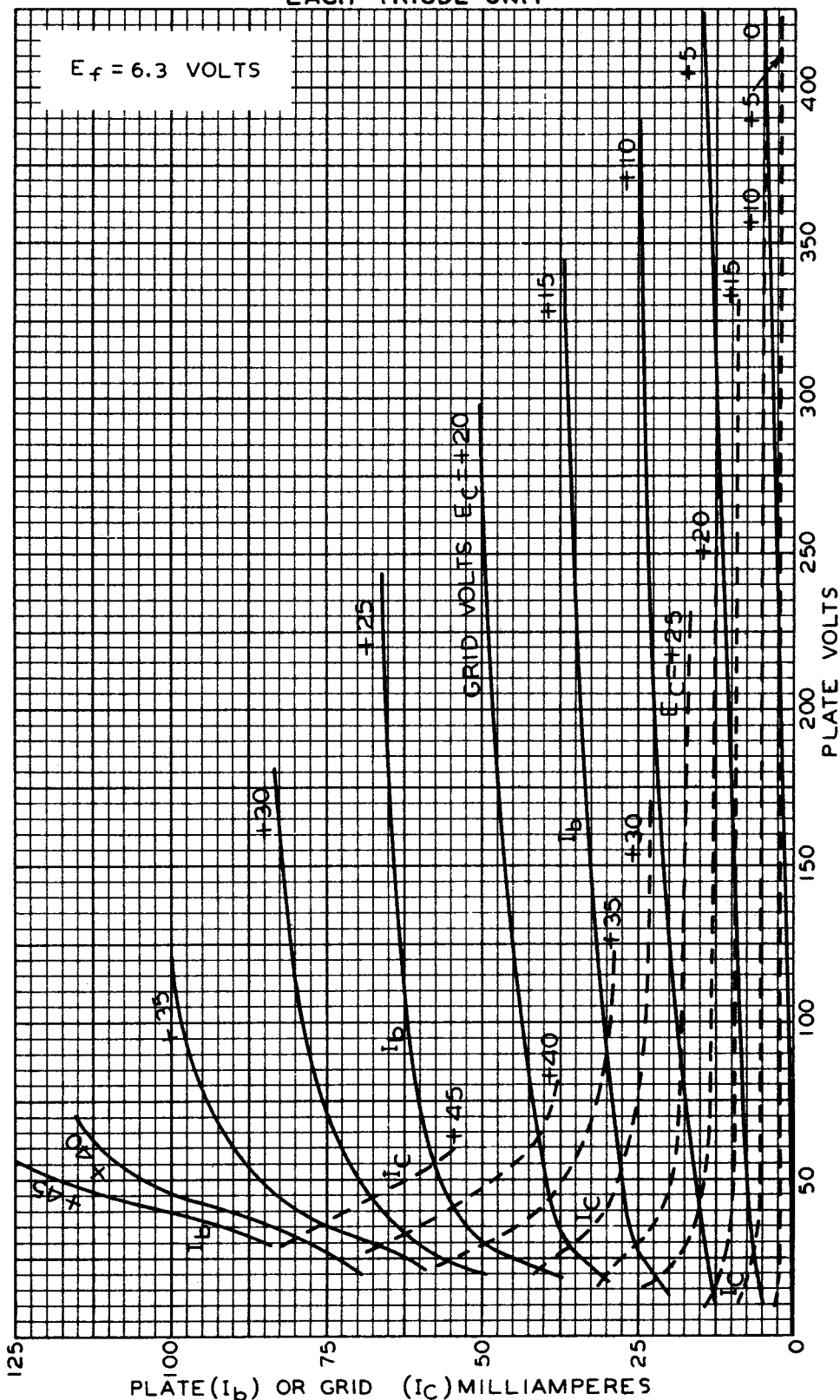


92C-6393



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AVERAGE PLATE CHARACTERISTICS
EACH TRIODE UNIT

FEB. 26, 1942

RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-6358

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AVERAGE PLATE CHARACTERISTICS EACH TRIODE UNIT

$E_f = 6.3$ VOLTS

