



1635

# HIGH-MU TWIN POWER TRIODE

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## GENERAL DATA

### Electrical:

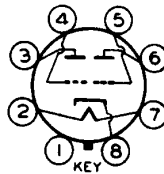
Heater, for Unipotential Cathode:

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 <sup>●</sup>	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.

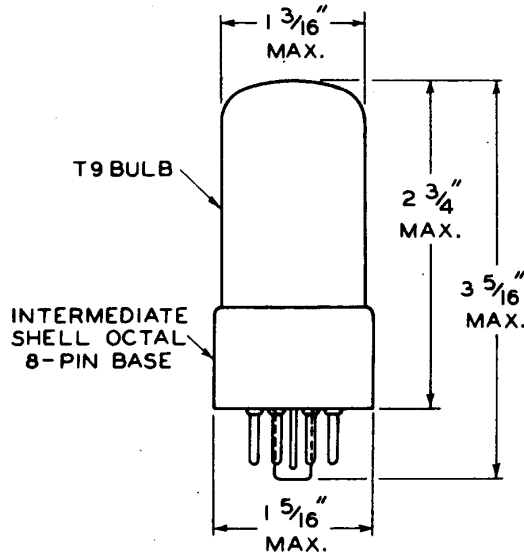
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- Includes peak voltage drop through the grid-circuit impedance.
- \* Practical design value.
- \*\* At 400 cycles for class B stage in which the effective resistance per grid circuit is 500 ohms, and the leakage reactance of the coupling transformer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



92C-6393

APRIL 15, 1947

TUBE DEPARTMENT  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

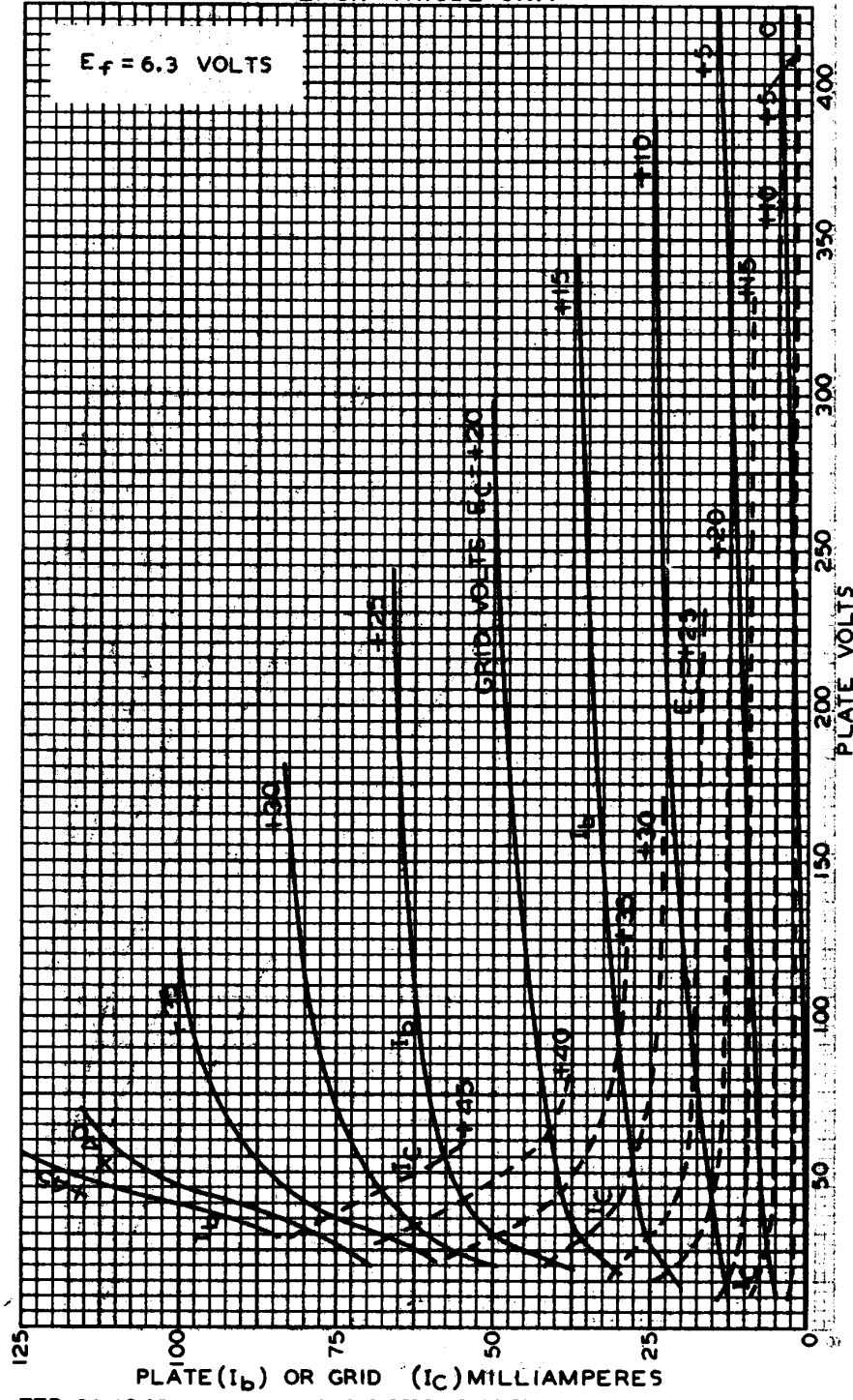
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### AVERAGE PLATE CHARACTERISTICS EACH TRIODE UNIT



FEB. 26, 1942

RCA RADIONRON DIVISION  
RCA MANUFACTURING COMPANY, INC.

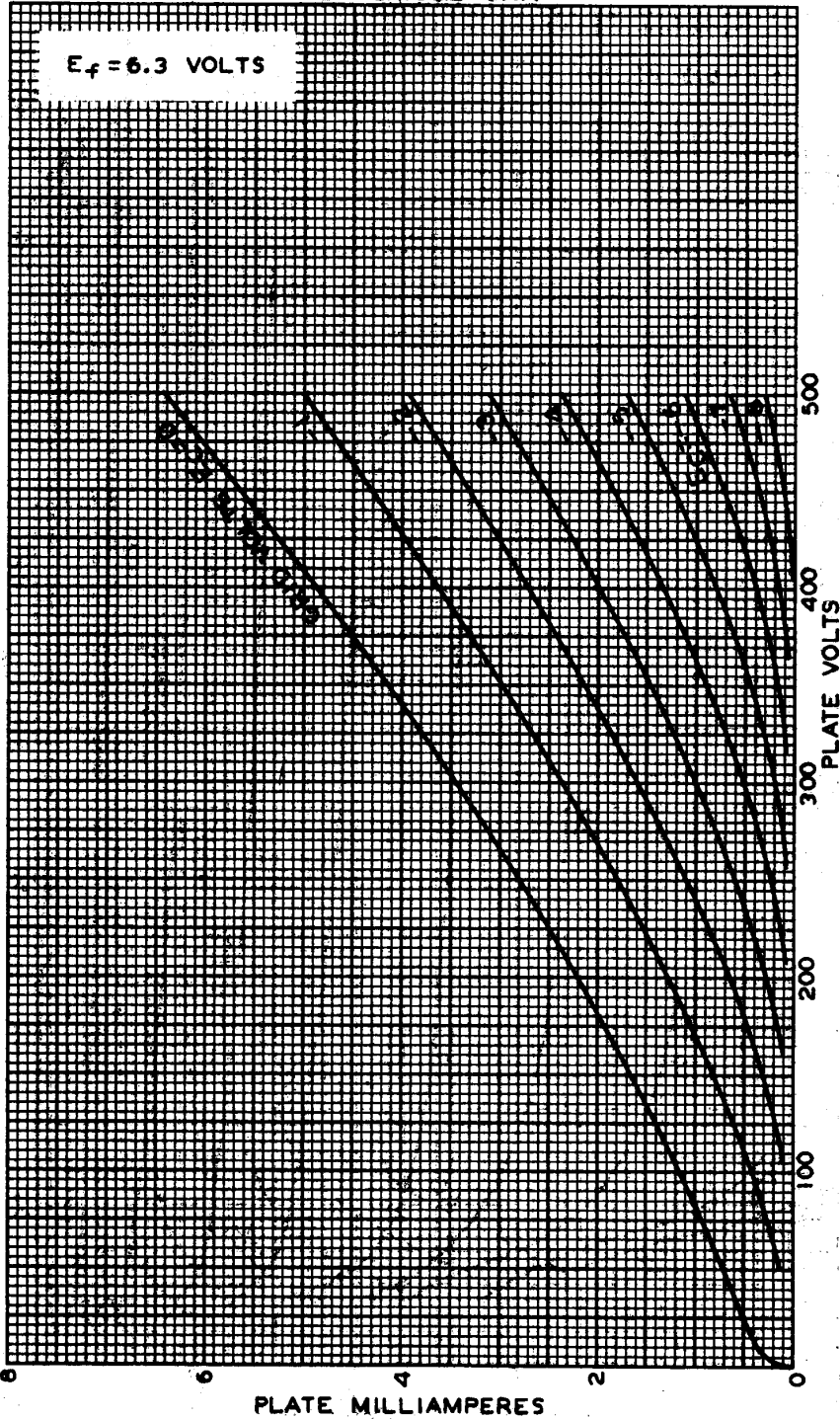
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### AVERAGE PLATE CHARACTERISTICS EACH TRIODE UNIT



FEB. 27, 1942

RCA RADIONRON DIVISION  
RCA MANUFACTURING COMPANY, INC.

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