



ID8-GT

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**DIODE-TRIODE-POWER AMPLIFIER PENTODE**

Filament	Coated	
Voltage	1.4	d-c volts
Current	0.1	amp.
Maximum Overall Length		3-5/16" ←
Maximum Seated Height		2-3/4" ←
Maximum Diameter		1-5/16" ←
Bulb		T-9
Cap		Skirted Miniature - Style C
Base		Intermediate Shell Octal 8-Pin
Pin 1 - No Connection		Pin 6 - Triode Plate
Pin 2 - Filament +		Pin 7 - Filament -
Pin 3 - Pentode Plate		Pin 8 - Diode Plate
Pin 4 - Pentode Screen		Cap - Triode Grid
Pin 5 - Pentode Grid		
Mounting Position		Any



BOTTOM VIEW (G-8AJ)

TRIODE UNIT

Plate Voltage		110 max.	volts
<i>Typical Operation and Characteristics - Class A₁ Amplifier:</i>			
Plate Voltage	45	67.5	90
Grid Voltage	0	0	0
Amplification Factor	25	25	25
Plate Resistance	77000	55500	43500 approx. ohms
Transconductance	325	450	575 μmhos
Plate Current	0.3	0.6	1.1 ma.

PENTODE UNIT

Plate Voltage		110 max.	volts
Screen Voltage		110 max.	volts
Total Zero-Sig. Cathode Current		6 max.	ma.
<i>Typical Operation and Characteristics - Class A₁ Amplifier:</i>			
Plate Voltage	45	62.5	67.5
Screen Voltage	45	62.5	67.5
Grid Voltage	-4.5	-5	-6
Peak A-F Grid Volt.	4.5	5	6
Plate Current	1.6	3.8	3.8
Screen Current	0.3	0.8	0.8
Plate Resistance	0.3	0.2	0.2
Transconductance	650	875	875
Load Resistance	20000	16000	16000
Total Harmonic Dist.	10	10	10
Power Output	35	90	100

DIODE UNIT

The diode is located at the negative end of the filament, and is independent of the triode unit and of the pentode unit except for the common filament.

← Indicates a change.

Sept. 2, 1941

RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY INC.

DATA

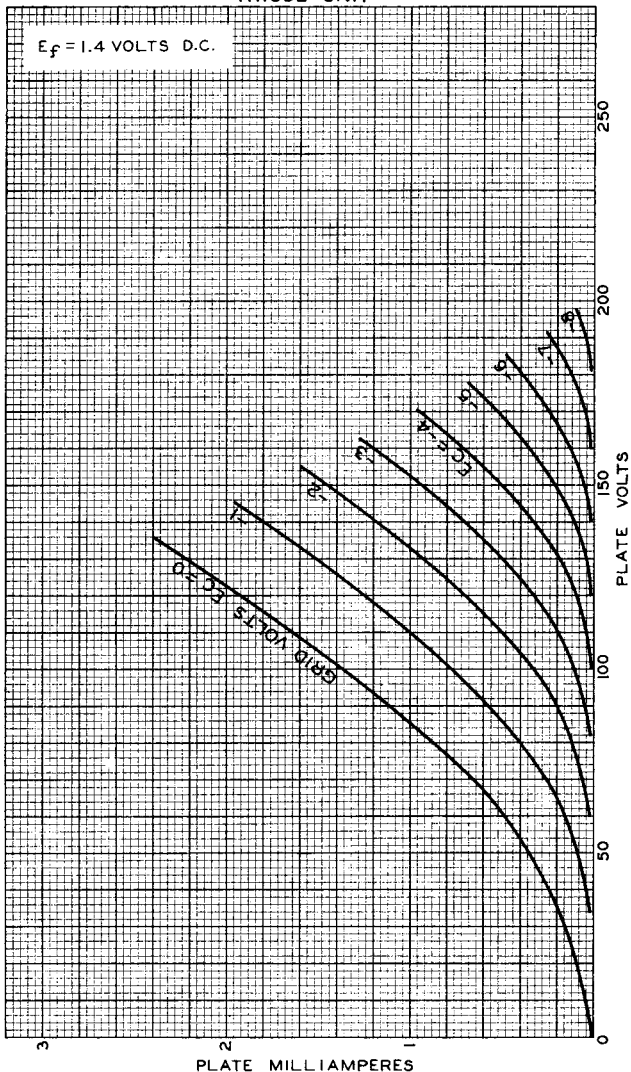
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AVERAGE PLATE CHARACTERISTICS
TRIODE UNIT

$E_f = 1.4$ VOLTS D.C.





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ID8-GT AVERAGE PLATE CHARACTERISTICS PENTODE UNIT

