



IT6

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DIODE—SHARP-CUTOFF PENTODE

SUBMINIATURE TYPE

GENERAL DATA

Electrical:

Filament, Coated:

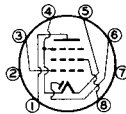
Voltage	1.25	dc volts
Current	0.04	amp

Mechanical:

Mounting Position	Any
Maximum Overall Length	1-3/4"
Maximum Seated Length	1-1/2"
Length, Base Seat to Bulb Top (excluding tip)	1.200 ± 0.060"
Maximum Diameter	0.4"
Bulb	T-3
Base	Small-Button Sub-miniar 8-Pin

BOTTOM VIEW

- Pin 1 - Pentode Plate
- Pin 2 - No Connection
- Pin 3 - Grid No.1
- Pin 4 - Filament (-), Grid No.3



- Pin 5 - Filament (+)
- Pin 6 - Diode Plate
- Pin 7 - No Connection
- Pin 8 - Grid No.2

PENTODE UNIT AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE	67.5 max.	volts
GRID-No.2 (SCREEN) VOLTAGE	67.5 max.	volts
TOTAL CATHODE CURRENT	2.0 max.	ma

Typical Operation and Characteristics:

Plate Voltage	30	45	67.5	volts
Grid-No.2 Voltage	30	45	67.5	volts
Grid-No.1 (Control-Grid) Voltage	0	0	0	volts
Plate Resistance (Approx.)	0.5	0.5	0.4	megohm
Transconductance	330	475	600	μmhos
Plate Current	0.33	0.75	1.6	ma
Grid-No.2 Current	0.10	0.21	0.4	ma

DIODE UNIT

Maximum Ratings, Design-Center Values:

PLATE CURRENT	0.25 max.	ma
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Diode Considerations:

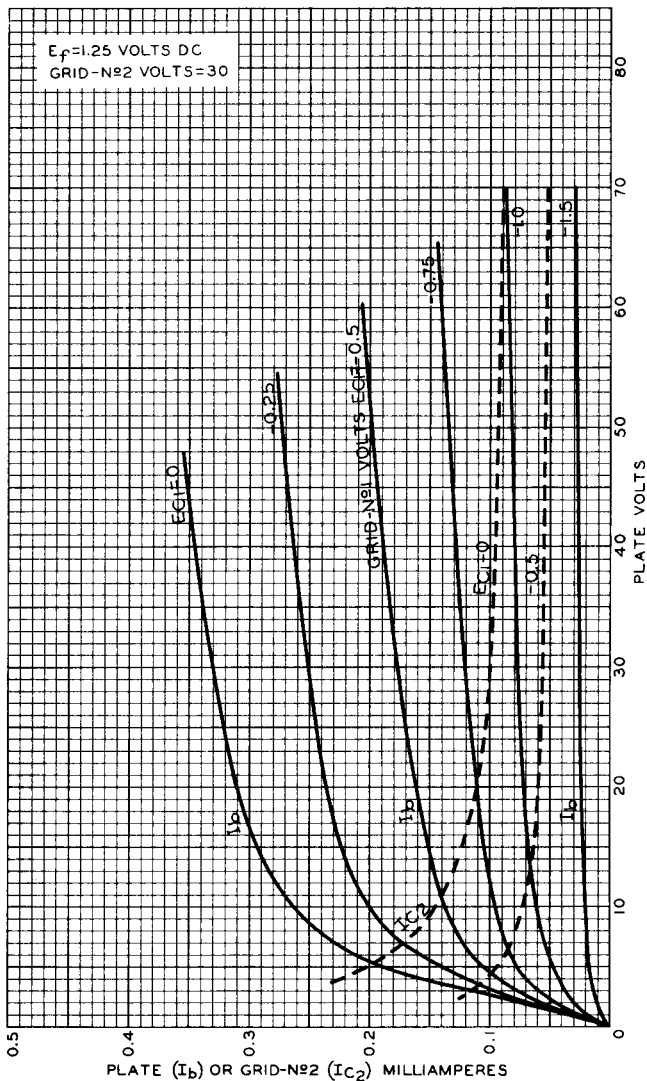
The diode is located at the negative end of the filament and is independent of the pentode unit except for the common filament.

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AVERAGE PLATE CHARACTERISTICS



APRIL 26, 1949

TUBE DEPARTMENT

92CM-7260

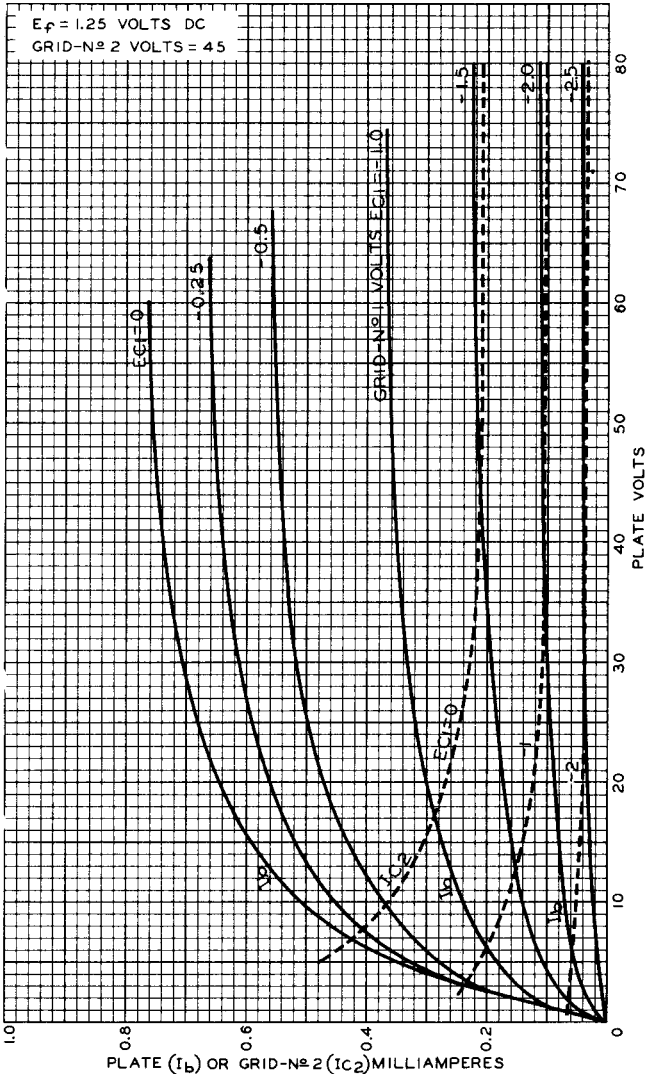
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY



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AVERAGE PLATE CHARACTERISTICS



APRIL 21, 1949

TUBE DEPARTMENT

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

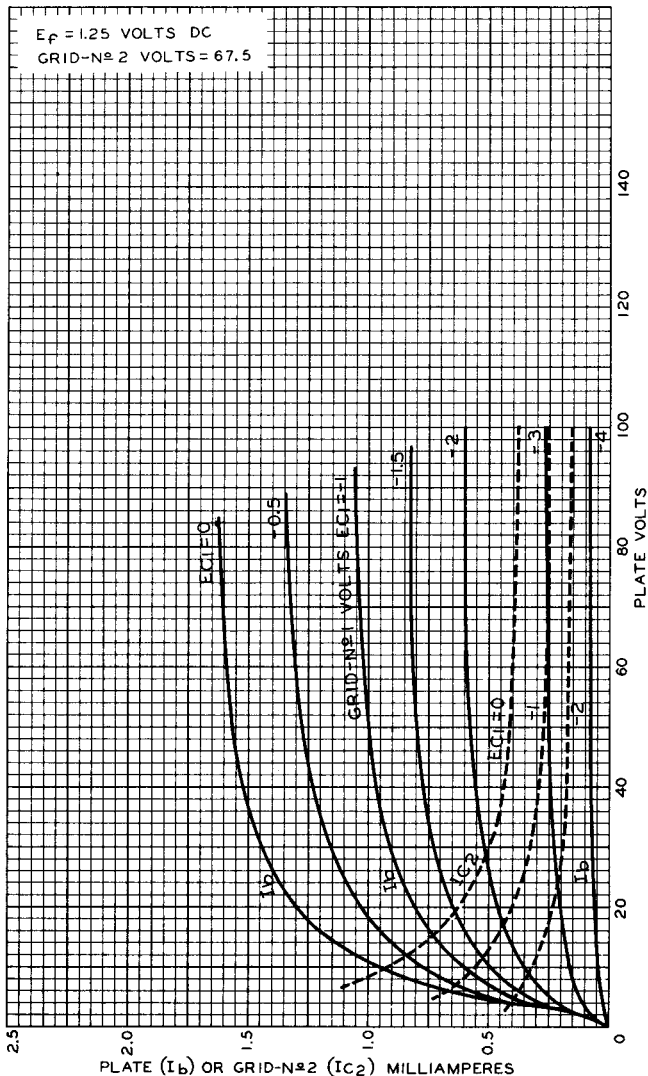
92CM-7257

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AVERAGE PLATE CHARACTERISTICS



APRIL 20, 1949

TUBE DEPARTMENT

92CM-7256

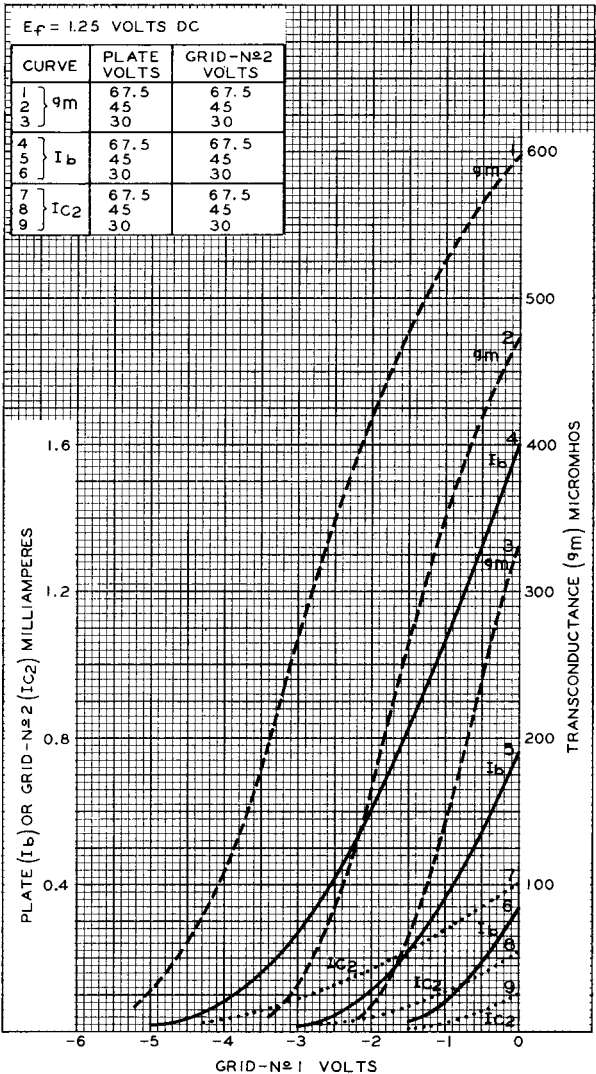
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY



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AVERAGE CHARACTERISTICS



APRIL 25, 1949

TUBE DEPARTMENT

92CM-7259

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