



IAD5

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SHARP-CUTOFF PENTODE

SUBMINIATURE TYPE

GENERAL DATA

Electrical:

Filament, Coated:

Voltage	1.25	dc volts
Current	0.04	amp

Direct Interelectrode Capacitances:⁰

Grid No.1 to Plate	0.010 max.	μmf
Input	1.8	μmf
Output	2.8	μmf

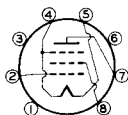
⁰ with no external shield.

Mechanical:

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

BOTTOM VIEW

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



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

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	4.0	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.)	0.7	0.7	0.7	megohm
Transconductance	430	580	735	μmhos
Grid-No.1 Bias (Approx.) for plate current of 10 μamp	-3	-4	-6	volts
Plate Current	0.45	0.9	1.85	ma
Grid-No.2 Current	0.16	0.35	0.75	ma

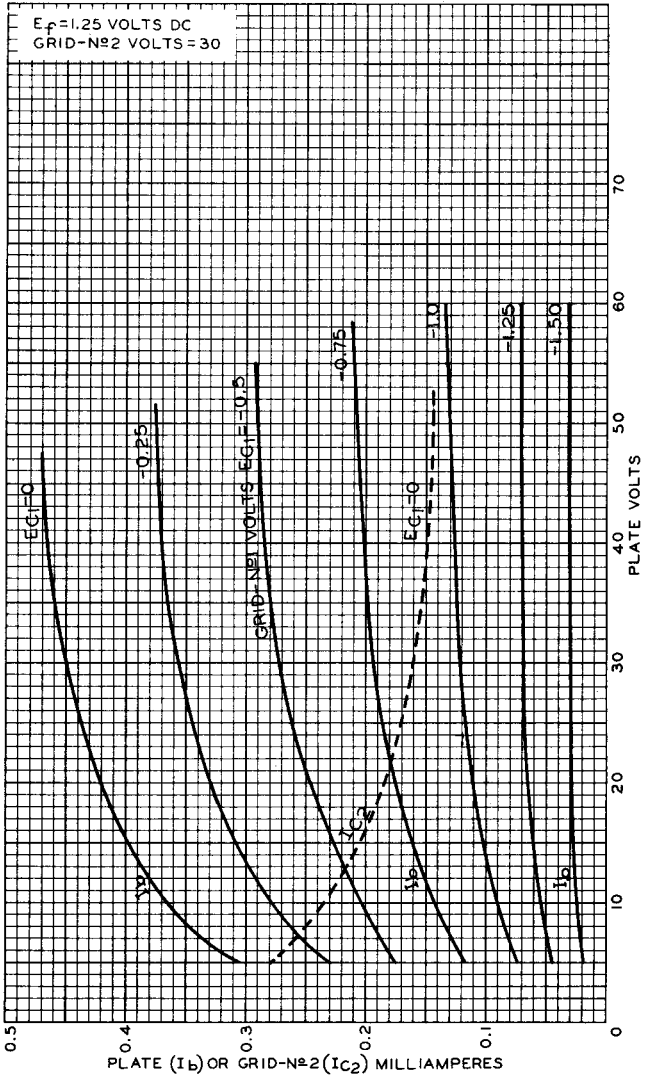
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AVERAGE PLATE CHARACTERISTICS

$E_f = 1.25$ VOLTS DC
GRID-N^o2 VOLTS = 30



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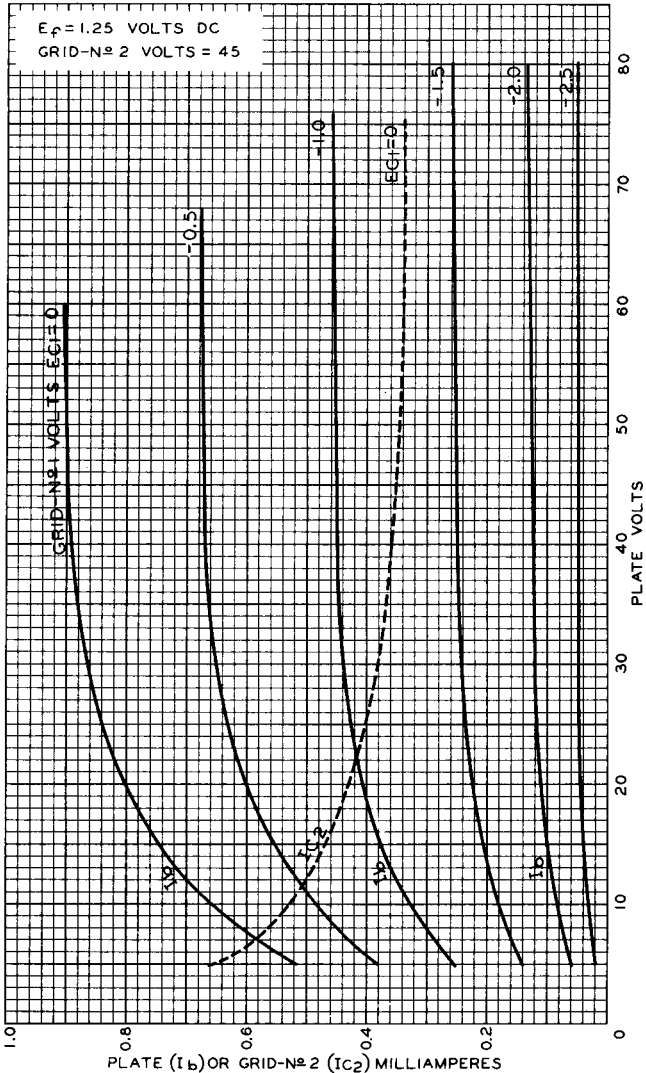
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AVERAGE PLATE CHARACTERISTICS



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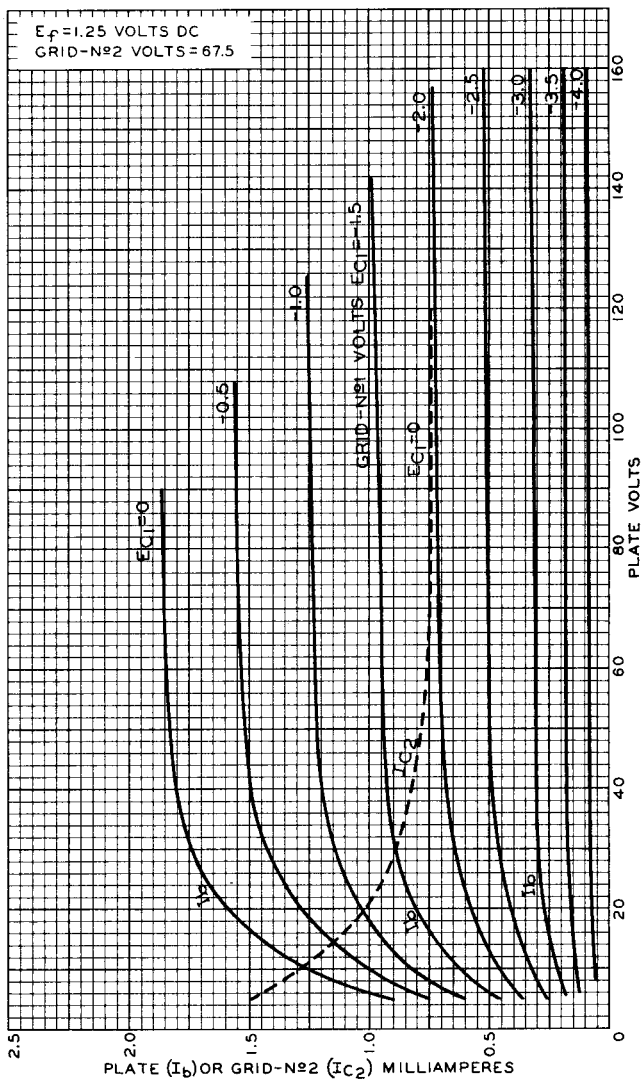
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AVERAGE PLATE CHARACTERISTICS



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AVERAGE CHARACTERISTICS

