



*Excellence in Electronics*

**TYPE  
CK5672**

The CK5672 is a filament type pentode of subminiature construction designed for use as a power amplifier in wearable and portable equipment. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard inline sub-miniature sockets may be used by cutting the leads to a suitable length.

**MECHANICAL DATA**

ENVELOPE: T-2X3 Glass

BASE: None (0.016" tinned flexible leads. Length: 1.5" min.  
Spacing: 0.048" center-to-center)

TERMINAL CONNECTIONS:

- Lead 1 Plate
- Lead 2 Grid #2
- Lead 3 Filament, positive
- Lead 4 Grid #1
- Lead 5 Filament, negative: Grid #3

MOUNTING POSITION: Any

**ELECTRICAL DATA**

DIRECT INTERELECTRODE CAPACITANCES: ( $\mu\text{fds}$ )  $\blacktriangle$

Grid #1 to Plate	0.14
Input	2.8
Output	3.5

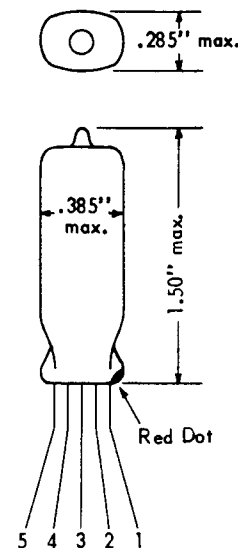
RATINGS - ABSOLUTE MAXIMUM VALUES:

Filament Voltage (dc)	1.25 $\pm$ 20% volts
Plate Voltage	100 volts
Grid #2 Voltage	100 volts
Total Cathode Current	5.5 ma.

CHARACTERISTICS AND TYPICAL OPERATION:

Filament Voltage (dc)	1.25 volts
Filament Current	50 ma.
Plate Voltage	67.5 volts
Grid #2 Voltage	67.5 volts
Grid #1 Voltage	-6.5 volts
Plate Current	3.25 ma.
Grid #2 Current	0.95 ma.
Transconductance	650 $\mu\text{mhos}$
Plate Resistance	125 kilohms
Load Resistance	20 kilohms
Distortion (approx.)	10 percent
Power Output	65 mw.
Peak AF Signal Voltage	6.5 volts

$\blacktriangle$  Without shield.



0.14  
2.8  
3.5

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100 volts  
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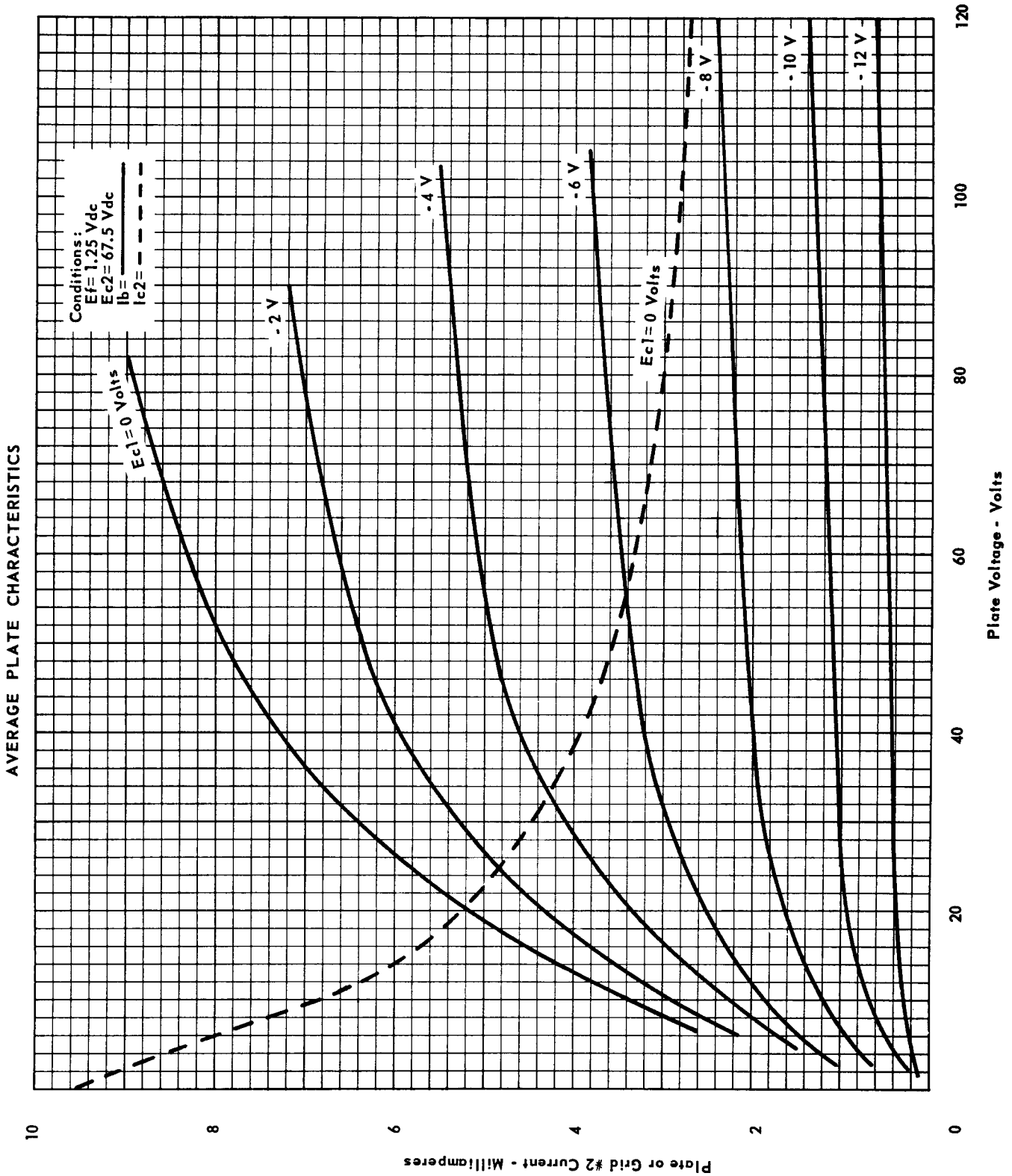
Tentative Data

**RAYTHEON MANUFACTURING COMPANY**

RECEIVING AND CATHODE RAY TUBE OPERATIONS



SUBMINIATURE PENTODE

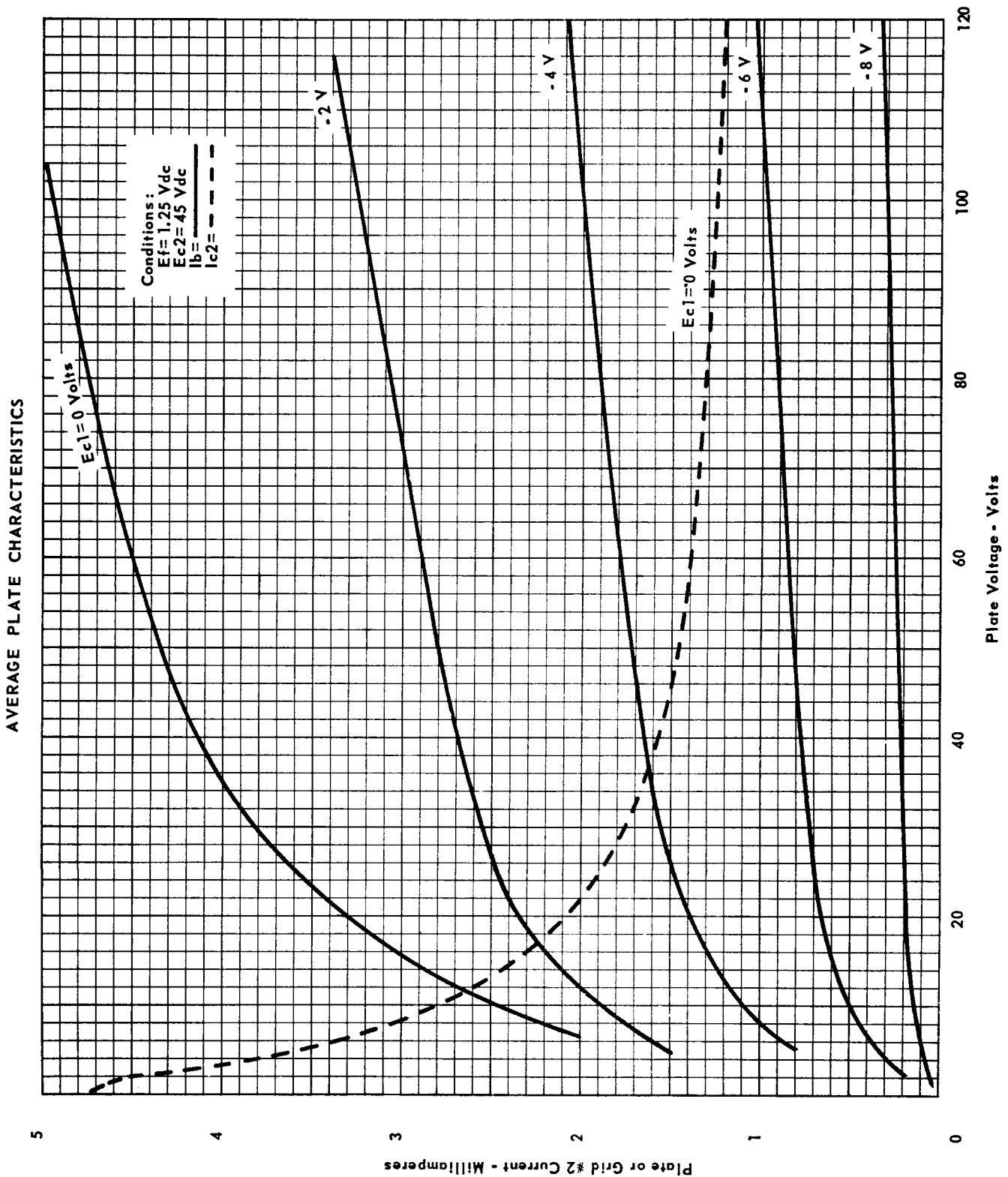


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RECEIVING AND CATHODE RAY TUBE OPERATIONS



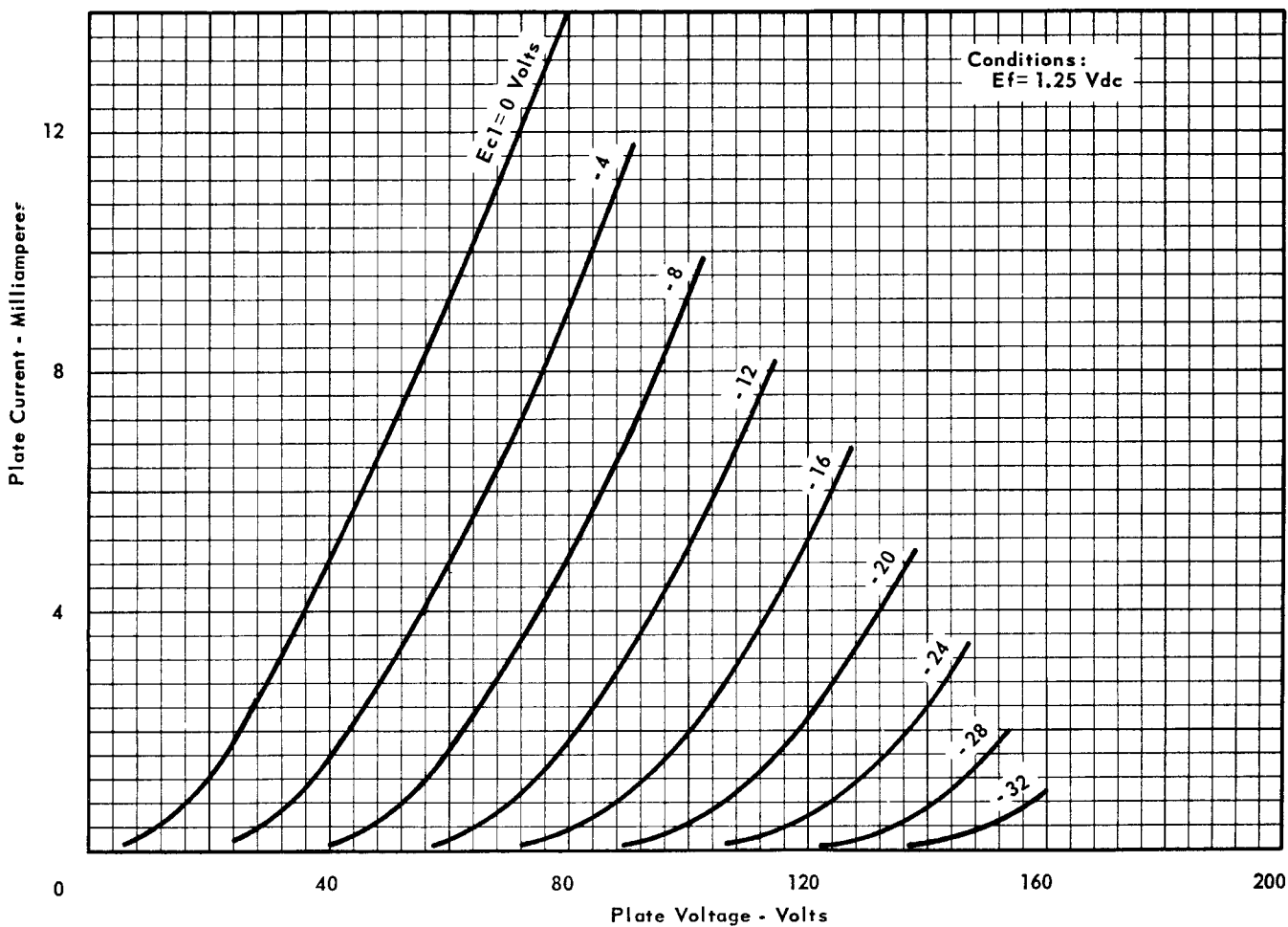
SUBMINIATURE PENTODE





SUBMINIATURE PENTODE

AVERAGE PLATE CHARACTERISTICS  
(Triode Connected)



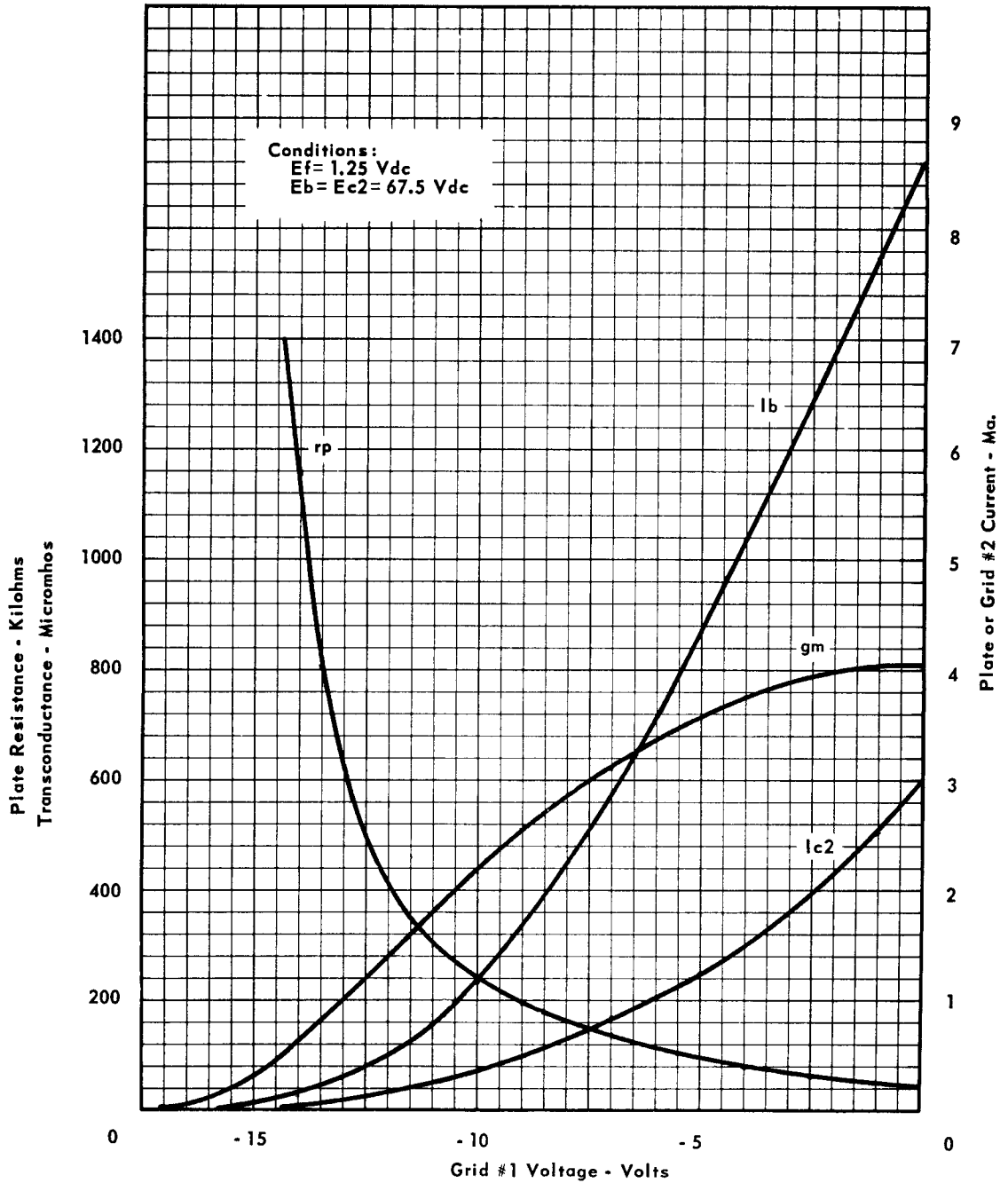
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SUBMINIATURE PENTODE

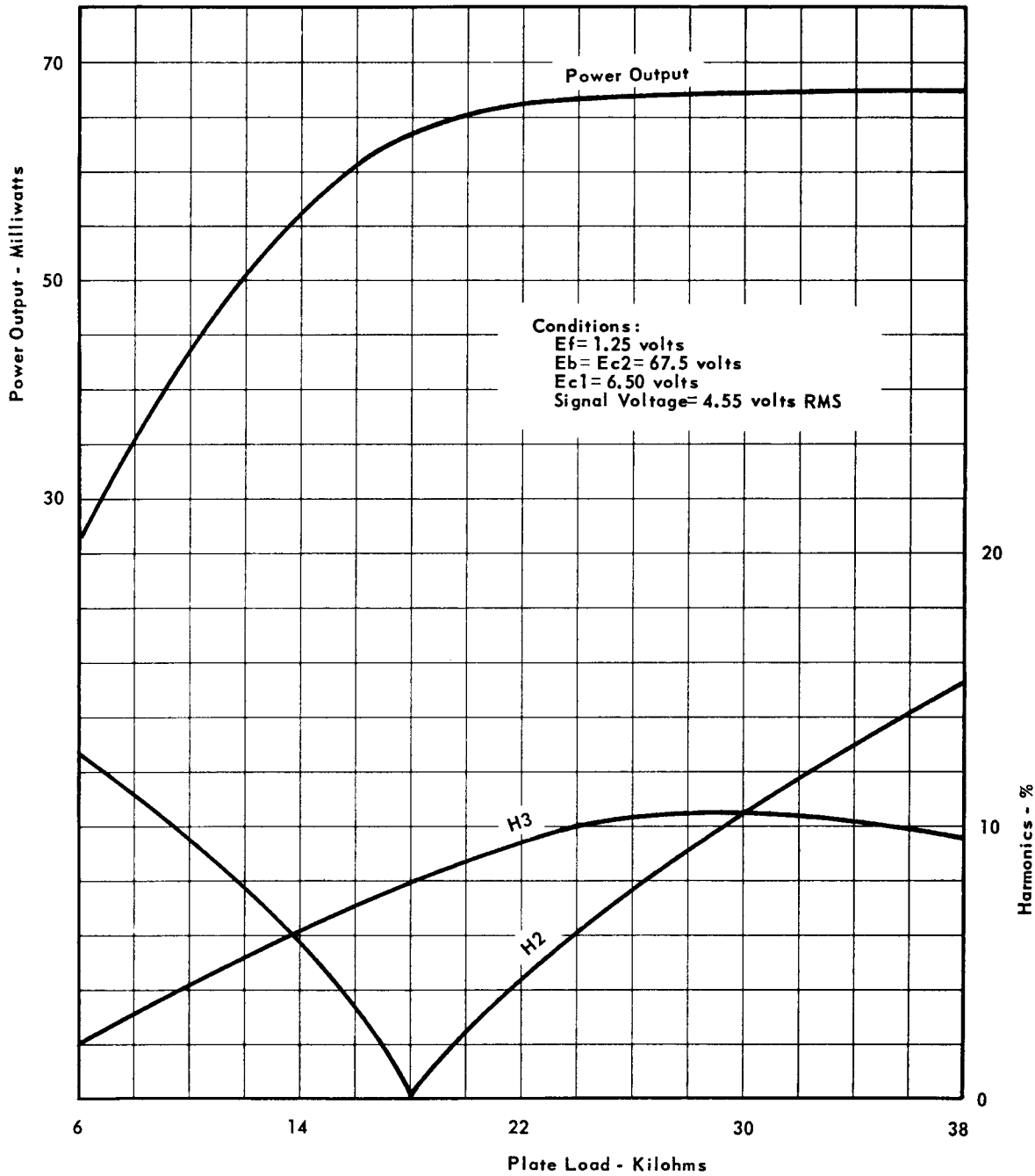
AVERAGE CHARACTERISTICS  
(Pentode Connected)





SUBMINIATURE PENTODE

POWER OUTPUT CHARACTERISTICS



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