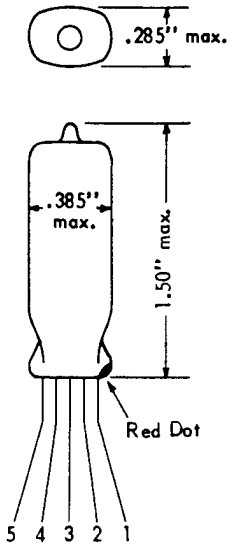
TYPE CK5672

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

MOUNTING POSITION: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES: ($\mu\mu$fds) ▲

Grid #1 to Plate	0.14
Input	2.8
Output	3.5

RATINGS - ABSOLUTE MAXIMUM VALUES:

Filament Voltage (dc)	1.25± 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 μmhos
Plate Resistance	125 kilohms
Load Resistance	20 kilohms
Distortion (approx.)	10 percent
Power Output	65 mw.
Peak AF Signal Voltage	6.5 volts

▲ *Without shield.*

Tentative Data

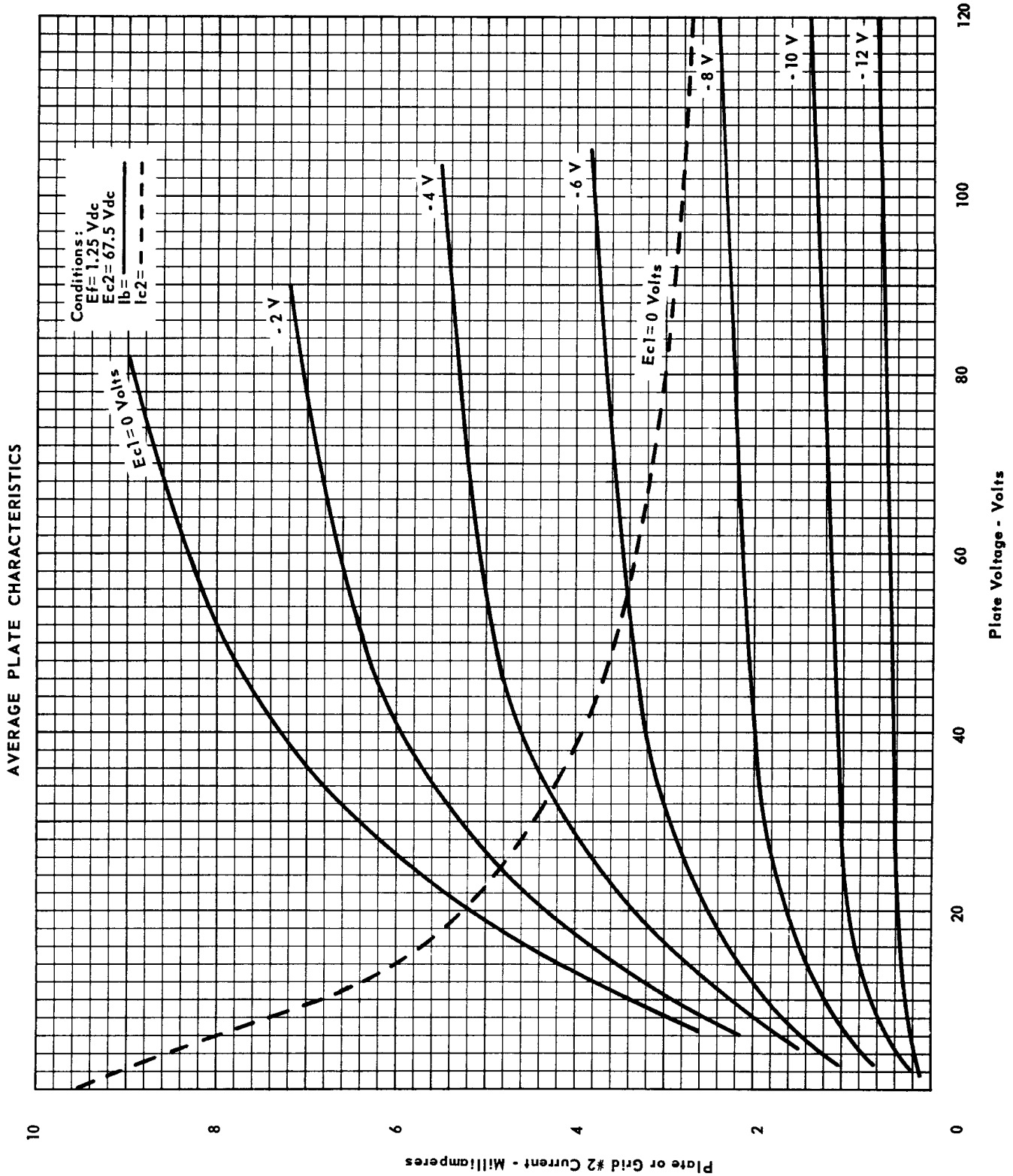
Printed in U.S.A.

RAYTHEON MANUFACTURING COMPANY

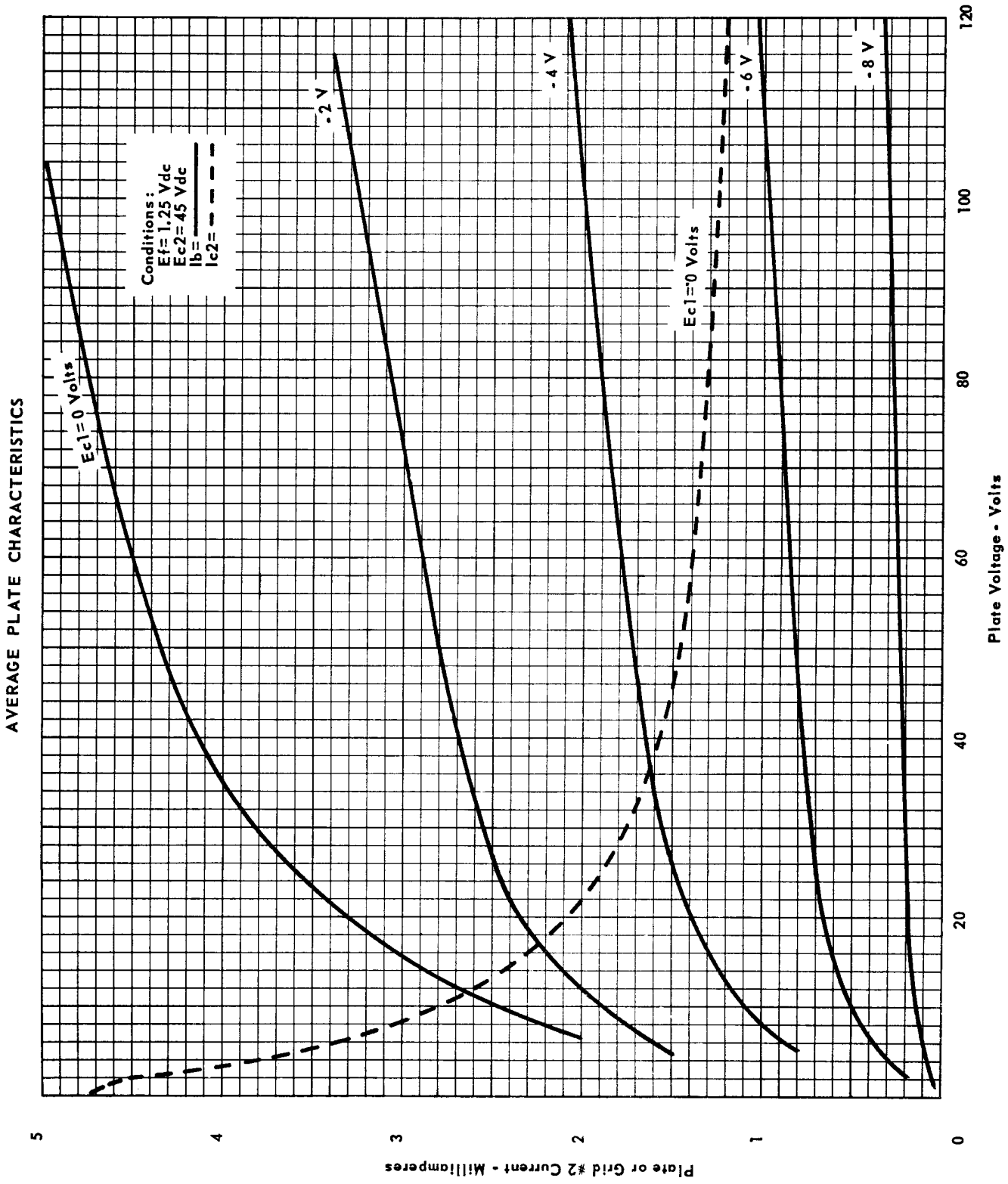
RECEIVING AND CATHODE RAY TUBE OPERATIONS

August 30, 1955 NEWTON 58, MASS.

SUBMINIATURE PENTODE



SUBMINIATURE PENTODE



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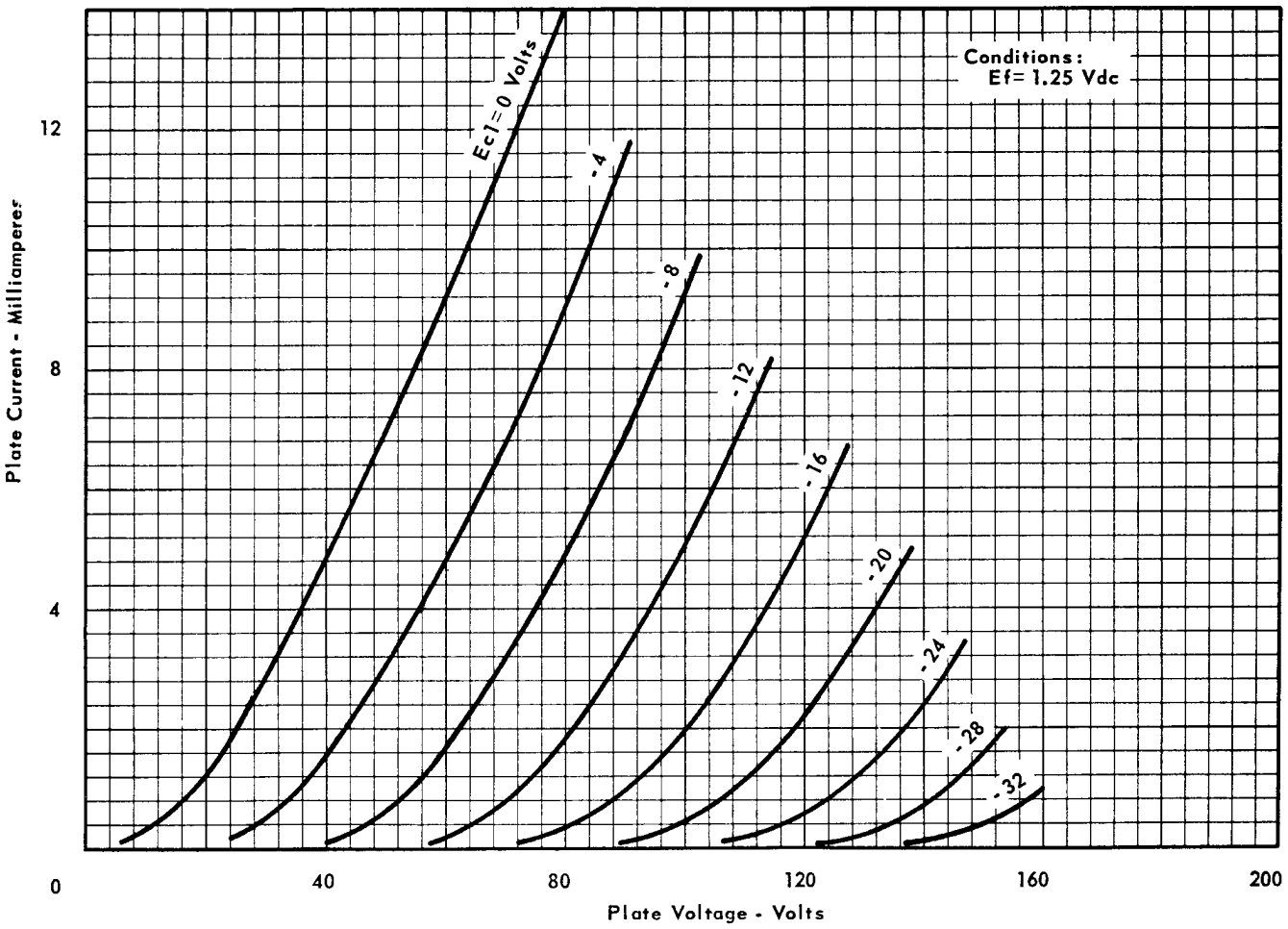
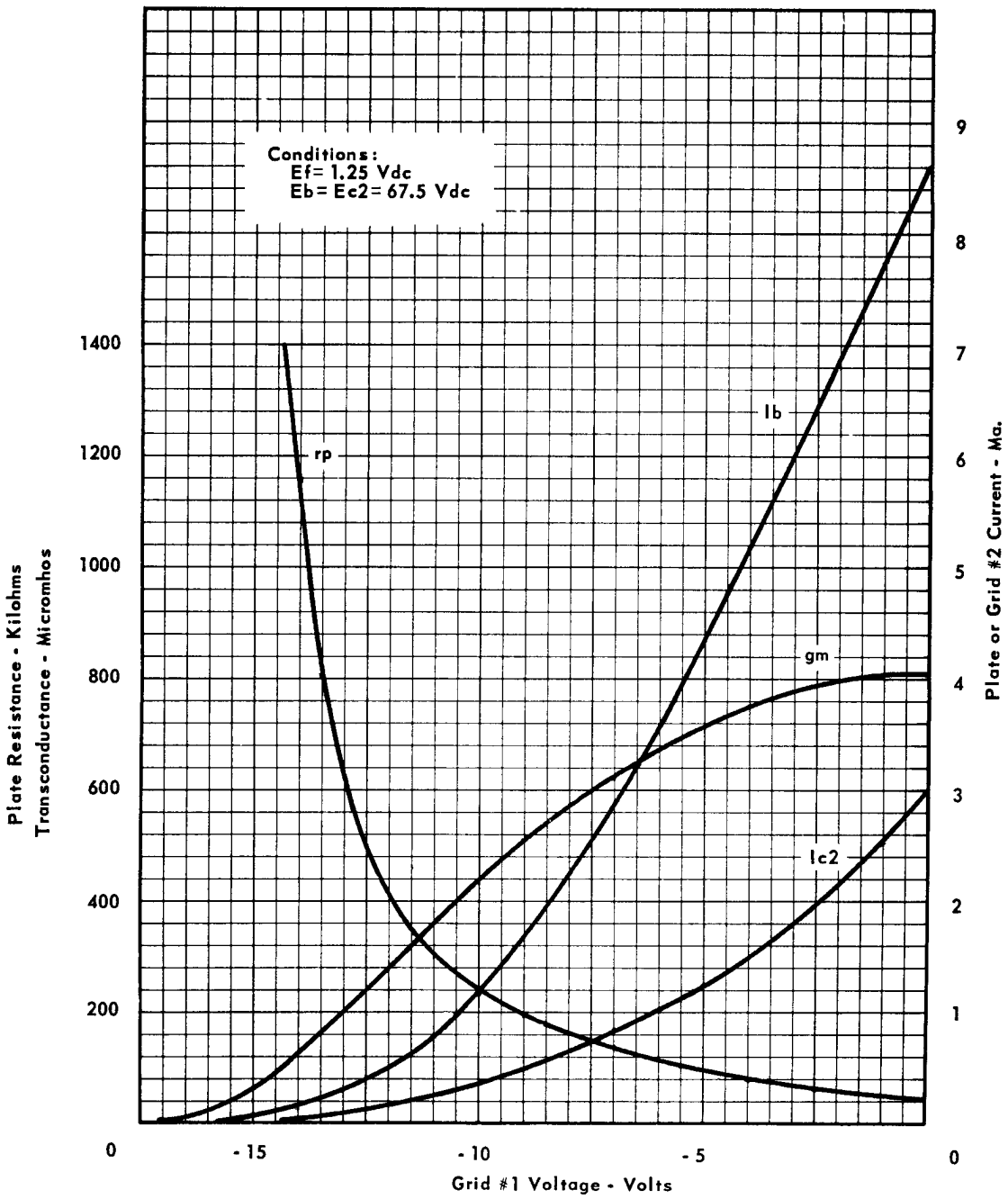
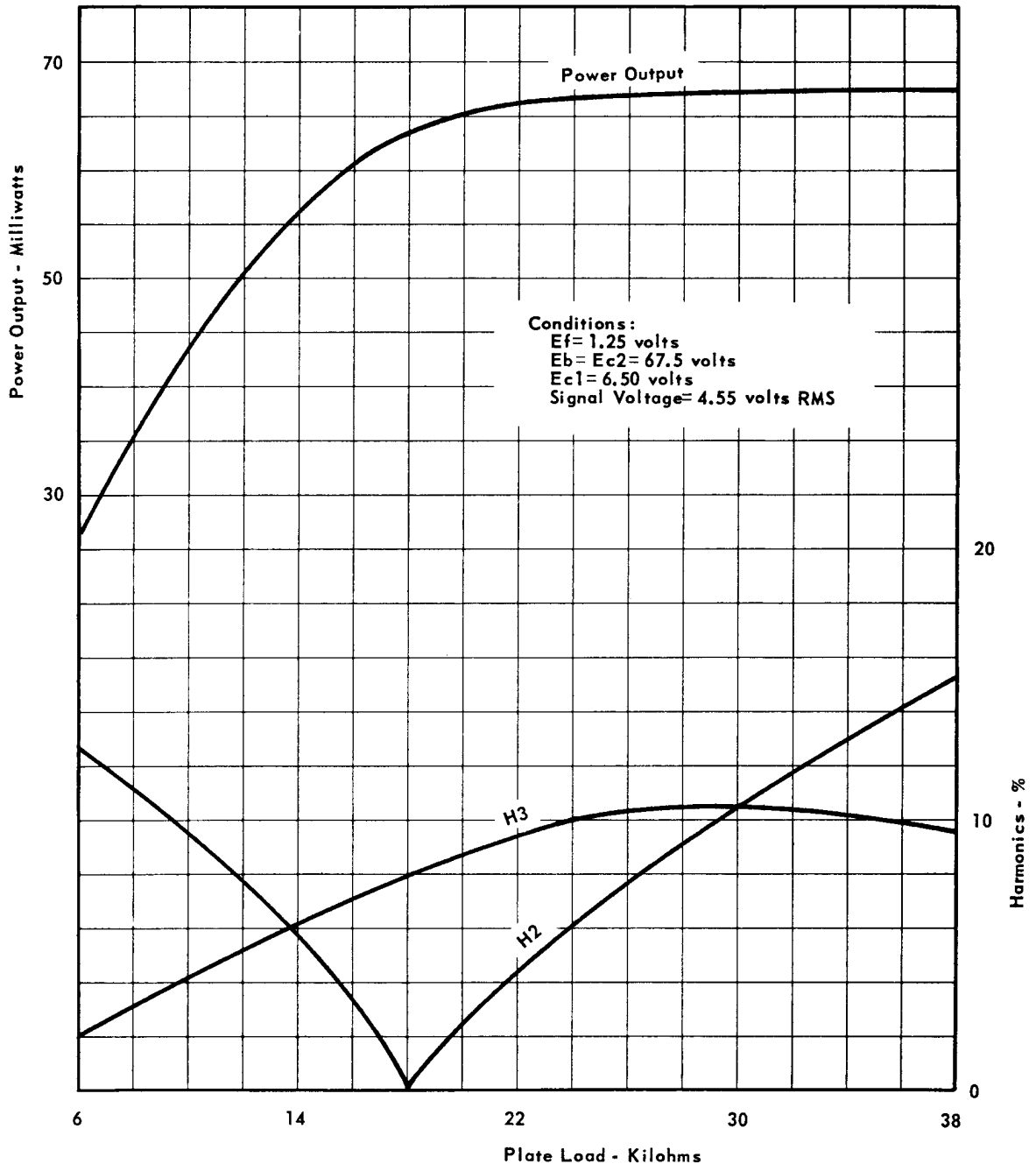
SUBMINIATURE PENTODE

AVERAGE PLATE CHARACTERISTICS
(Triode Connected)



SUBMINIATURE PENTODE

AVERAGE CHARACTERISTICS
(Pentode Connected)



POWER OUTPUT CHARACTERISTICS