

TYPE
CK6932*Excellence in Electronics*

The CK6932 is a filamentary type subminiature pentode of low filament current designed for service in portable equipment. The suppressor grid may be used as an independent control electrode for circuits such as gated amplifiers. 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-3 Glass

BASE: Pinch Press (0.016" tinned flexible leads. Length: 1.5" min.
Spacing: 0.048" center-to-center)

TERMINAL CONNECTIONS: (Red Dot is adjacent to Lead 1)

Lead 1 Plate

Lead 2 Grid #2

Lead 3 Filament, Negative

Lead 4 Grid #1

Lead 5 Filament, Positive

Lead 6 Grid #3

MOUNTING POSITION: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES ($\mu\text{tfs.}$) ●

Grid #1 to Plate

Input

Output

Grid #1 to Grid #3

0.030

3.5

3.85

0.2

RATINGS - ABSOLUTE MAXIMUM VALUES:

Filament Voltage (dc)

Plate Voltage

Screen Grid Voltage

Cathode Current

1.25 $\pm$ 20% volts

67.5 volts

67.5 volts

1.5 mA

CHARACTERISTICS AND TYPICAL OPERATION:

Filament Voltage

Filament Current

Plate Voltage

Screen Grid Voltage

Grid #1 Voltage

Grid #3 Voltage

Plate Current

Screen Grid Current

Transconductance $G1-P$ Grid #1 Voltage for $I_b = 10 \mu\text{A}$ (approx.)Grid #3 Voltage for $I_b = 10 \mu\text{A}$ (approx.)Screen Grid Current at $E_{c3} = -8.0$ Screen Grid Current at $E_{c3} = -3.0$

1.25

20

22.5

22.5

0

0

300

300

250

-2.0

-3.0

500

1.25 volts

20 mA

45 volts

45 volts

-1.25 volts

0 volts

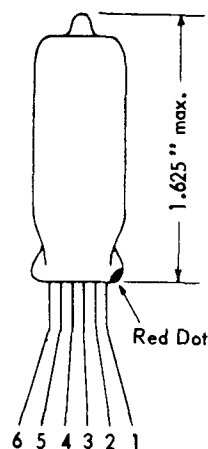
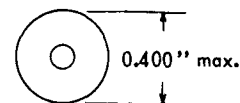
560 μA 320 μA 475 μmhos

-4.0 volts

-8.0 volts

750 μA ---- μA

● With cylindrical shield (0.405" i.d. by 1 7/8" long) connected to Lead 6.



These data identify a particular developmental tube design and the tube designation
or the descriptive data may be subject to change.

Objective Data

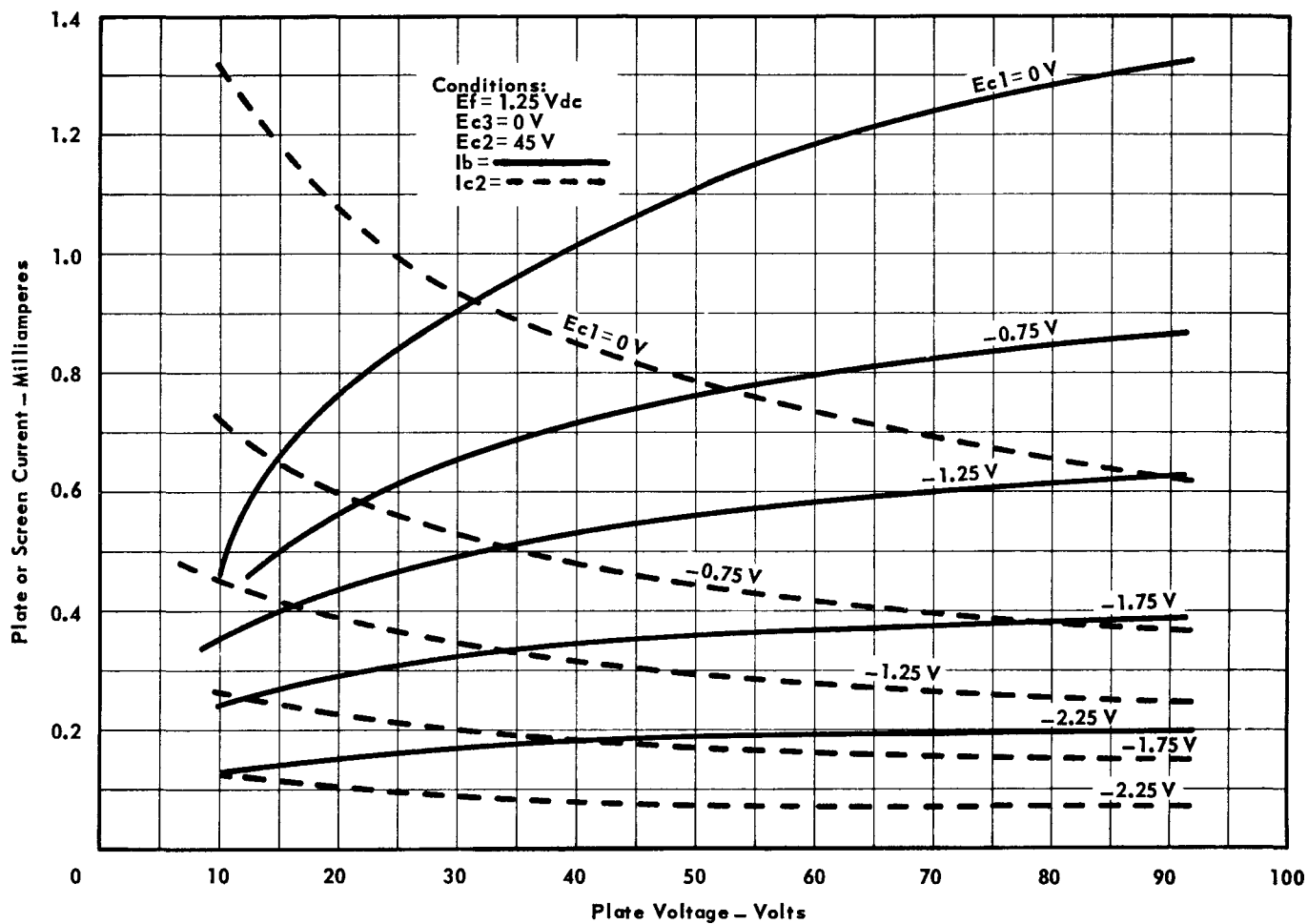
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RECEIVING AND CATHODE RAY TUBE OPERATIONS



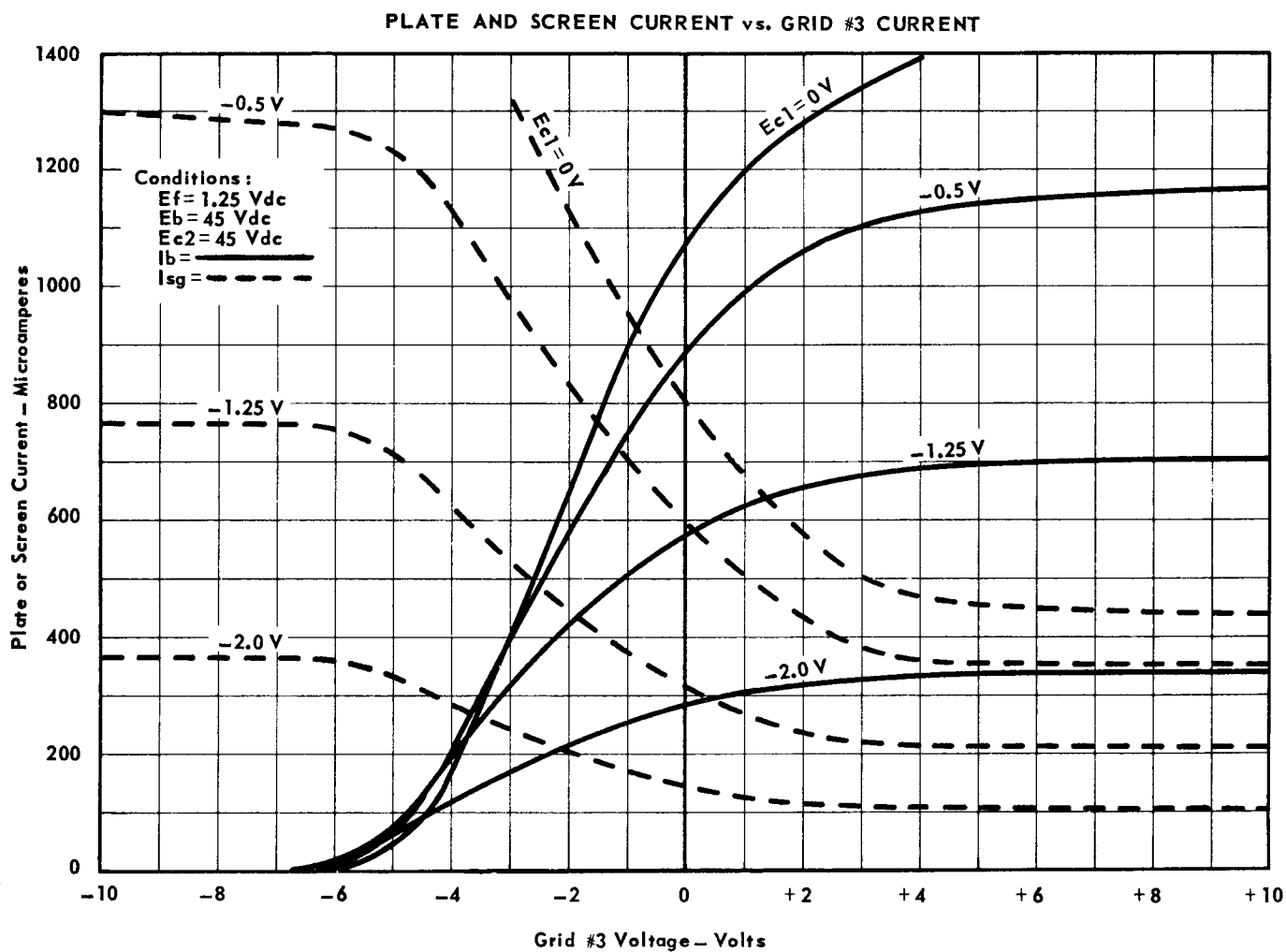
SUBMINIATURE PENTODE

AVERAGE PLATE CHARACTERISTICS



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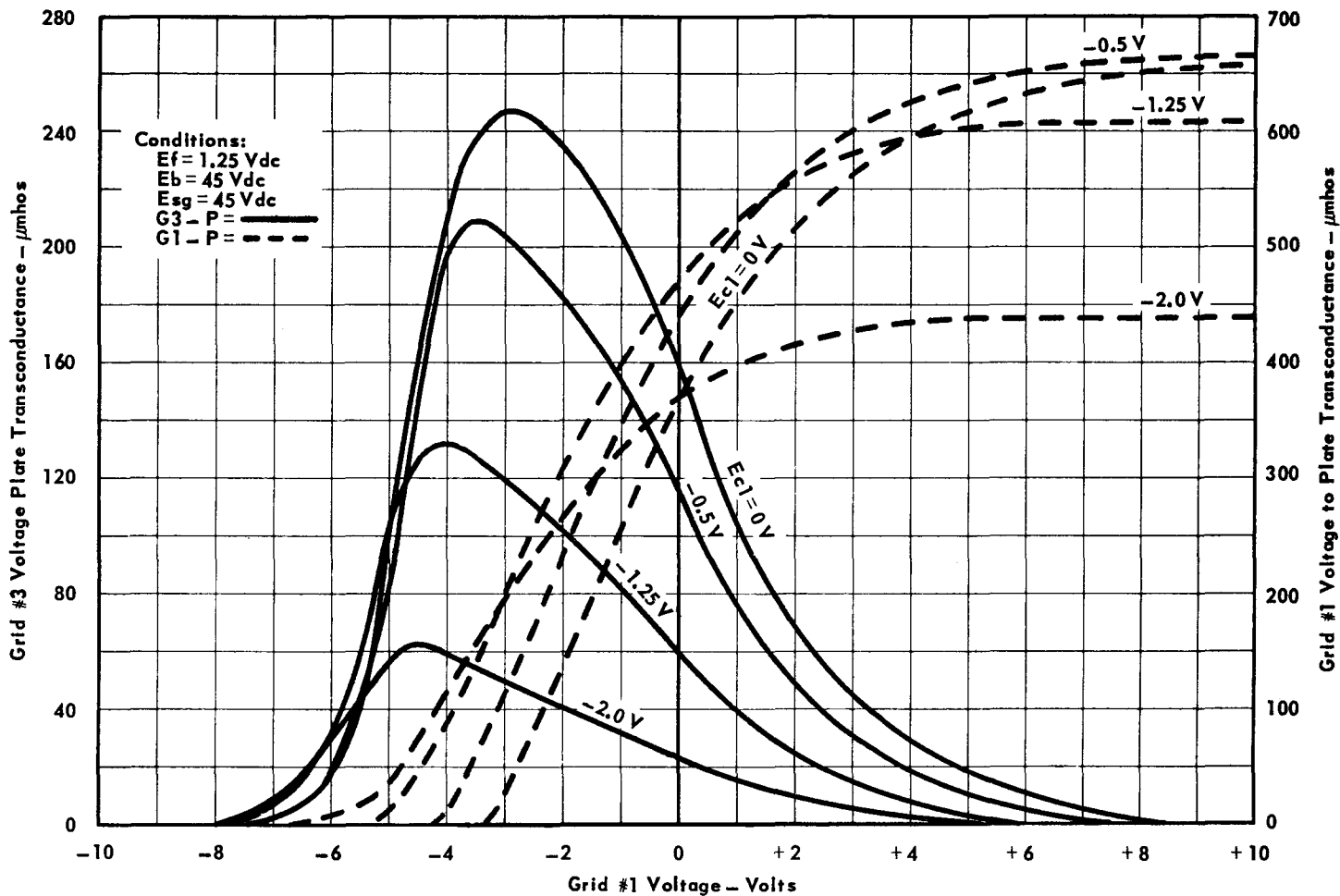
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TRANSCONDUCTANCE vs. GRID #3 Voltage



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