

*Excellence in Electronics***TYPE
CK7246**

The CK7246 is a 500 megacycle, filament type triode of subminiature construction designed for use as a high frequency oscillator, Class C amplifier, superregenerative detector, frequency multiplier or mixer. It is particularly useful in applications requiring economy of space, weight and battery drain. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard 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 CONNECTORS: (Red dot is adjacent to lead 1)

Lead 1 Plate	Lead 3 Grid
Lead 2 Filament (negative)	Lead 4 Filament (positive)

MOUNTING POSITIONS: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES: (μpfs)

Grid to Plate
Input
Output

Without Shield

1.5
1.6
1.9

RATINGS—ABSOLUTE MAXIMUM VALUES:

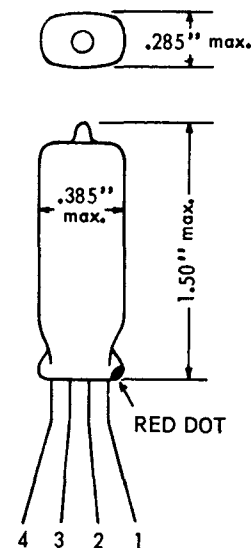
Filament Voltage (dc)
Plate Voltage
Plate Current
Grid Current
Grid Voltage
Plate Dissipation

1.25 $\pm$ 12% volts
150 volts
7.5 ma.
1.2 ma.
-30 volts
0.7 watts

CHARACTERISTICS AND TYPICAL OPERATION—CLASS A1 AMPLIFIER:

Filament Voltage (dc)
Filament Current
Plate Voltage
Grid Voltage
Transconductance
Amplification Factor
Plate Current

1.25 volts
150 ma.
105 volts
-2.5 volts
2700 μmhos
22
4.5 ma



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

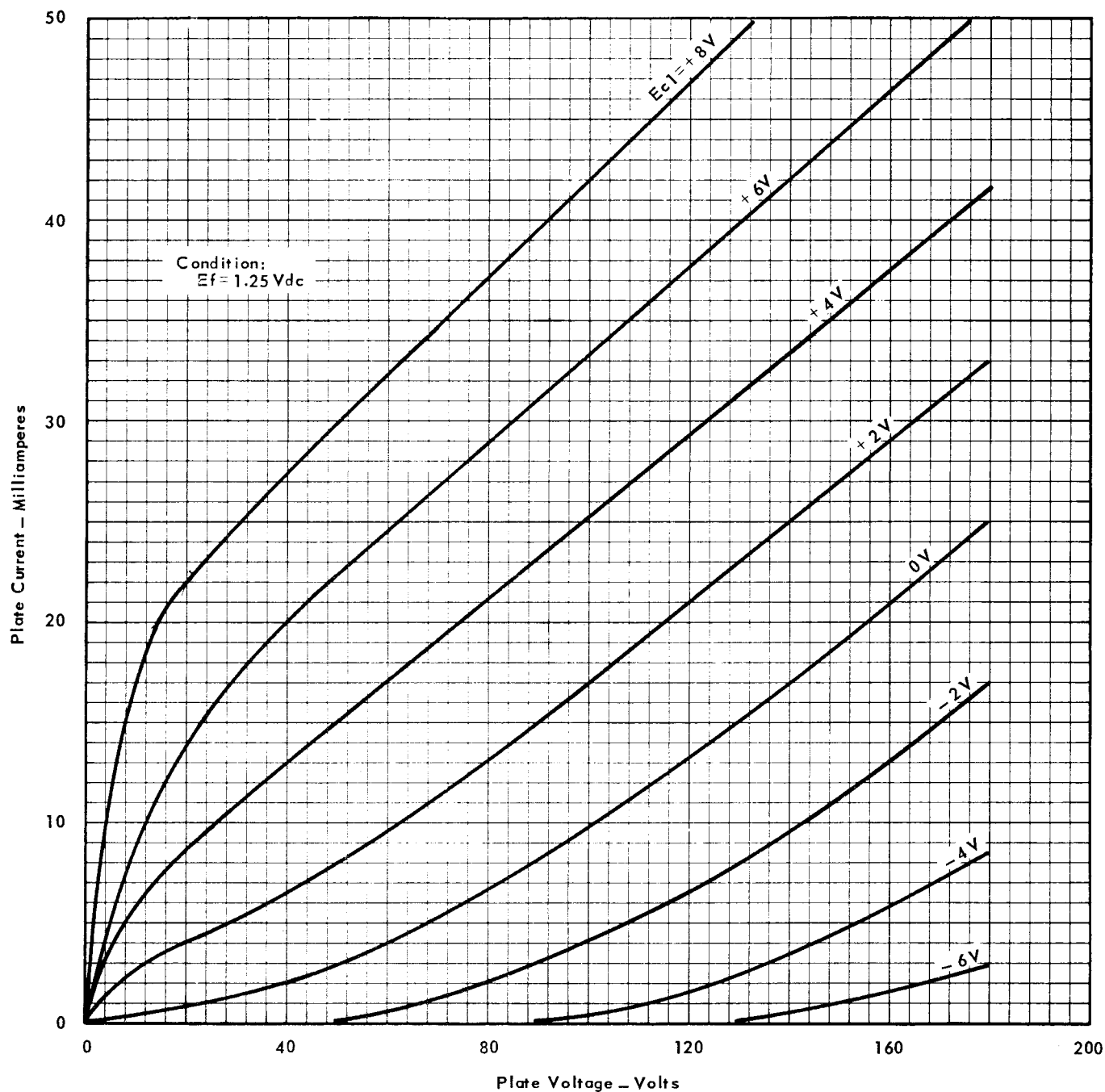
Objective Data

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SUBMINIATURE TRIODE

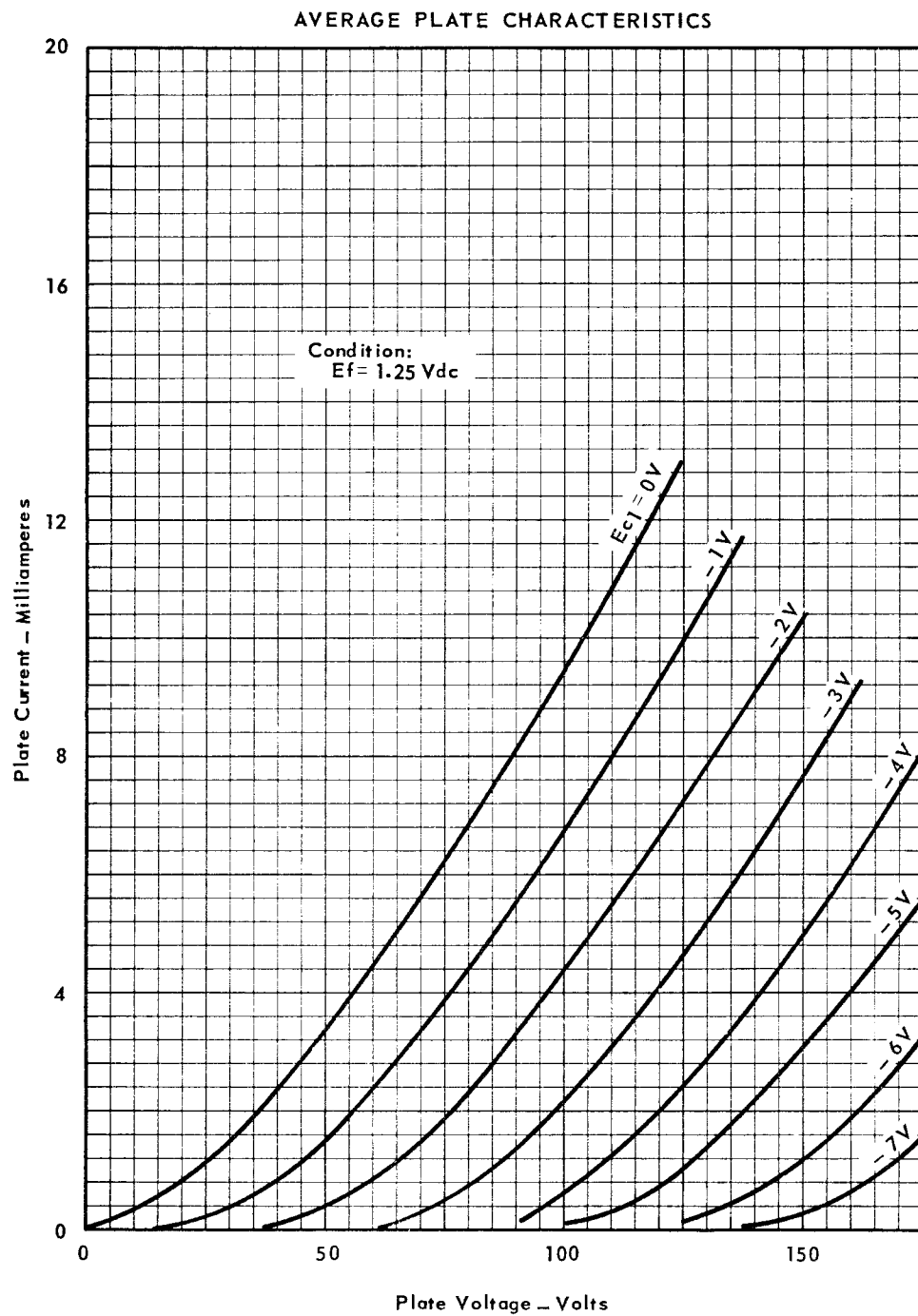
AVERAGE PLATE CHARACTERISTICS



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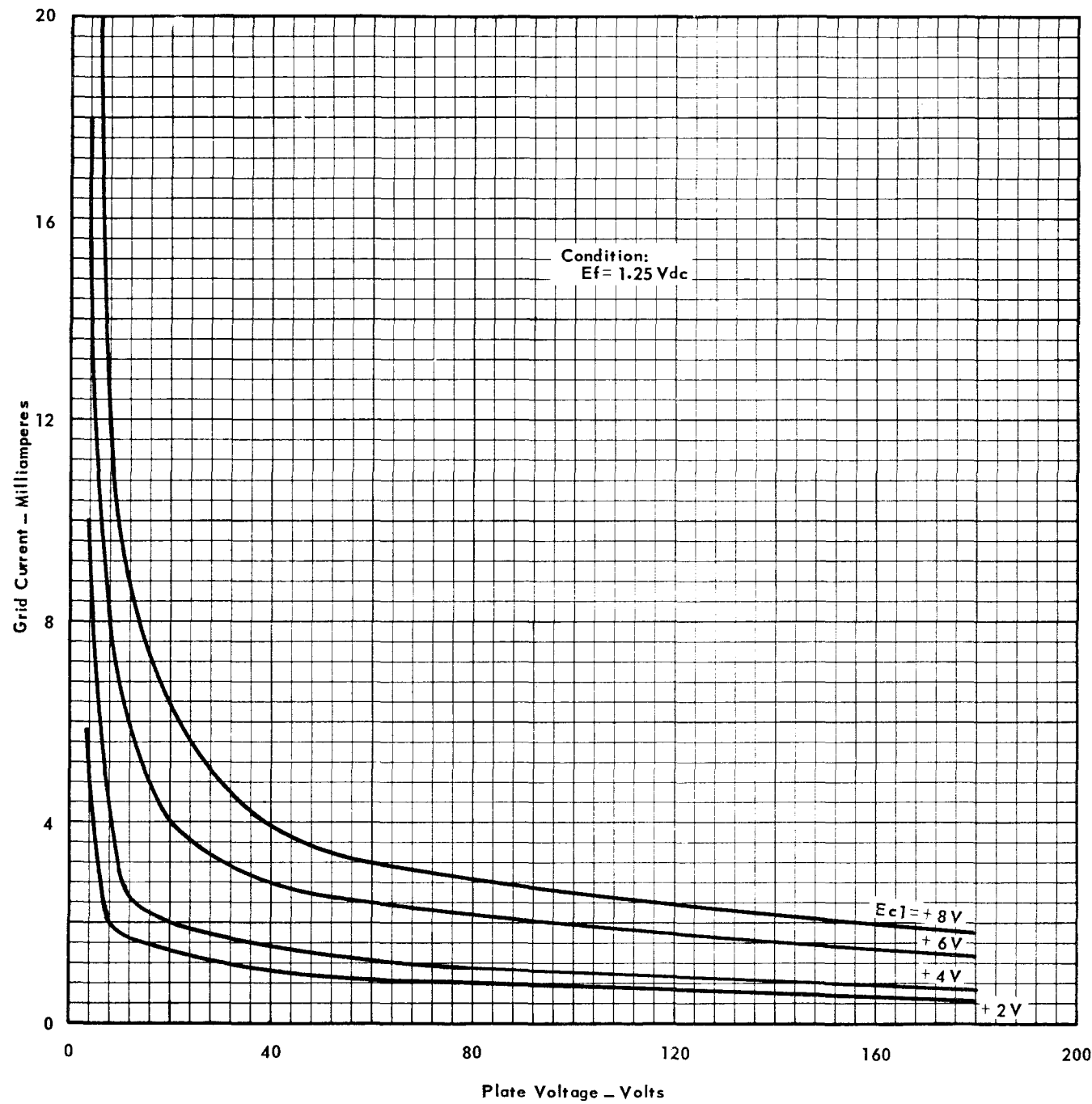
SUBMINIATURE TRIODE





SUBMINIATURE TRIODE

AVERAGE GRID CHARACTERISTICS



INDUSTRIAL TUBE DIVISION

RAYTHEON COMPANY

55 CHAPEL ST., NEWTON 58, MASS.



SUBMINIATURE TRIODE

