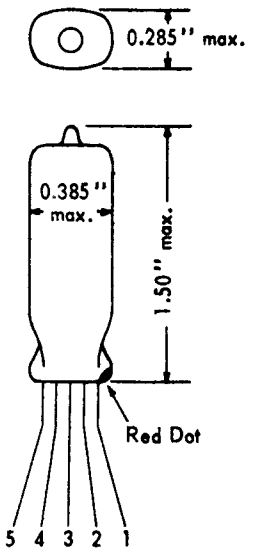
TYPE CK533AX

The CK533AX is a filament type pentode of subminiature construction designed for use as a power amplifier in portable and wearable 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: *(Red Dot is adjacent to Lead 1)*

Lead 1 Plate	Lead 4 Control Grid
Lead 2 Screen Grid	Lead 5 Filament, Positive ●
Lead 3 Filament, Negative ●	

MOUNTING POSITION: ANY

ELECTRICAL DATA

RATINGS - ABSOLUTE MAXIMUM VALUES:

Filament Voltage (dc)	1.25±20% volts
Plate Voltage	45 volts
Screen Grid Voltage	45 volts
Total Cathode Current	650 μa.

CHARACTERISTICS AND TYPICAL OPERATION:

Filament Voltage (dc)	1.25 volts
Filament Current	15 ma.
Plate Voltage	22.5 volts
Screen Grid Voltage	22.5 volts
Control Grid Voltage ▲	0 volts
Plate Current	360 μa.
Screen Grid Current	90 μa.
Transconductance	450 μmhos
Plate Resistance	0.5 meg.
Load Resistance	75,000 ohms
Distortion (approx.)	12 percent
Power Output ♦	1.3 mw.

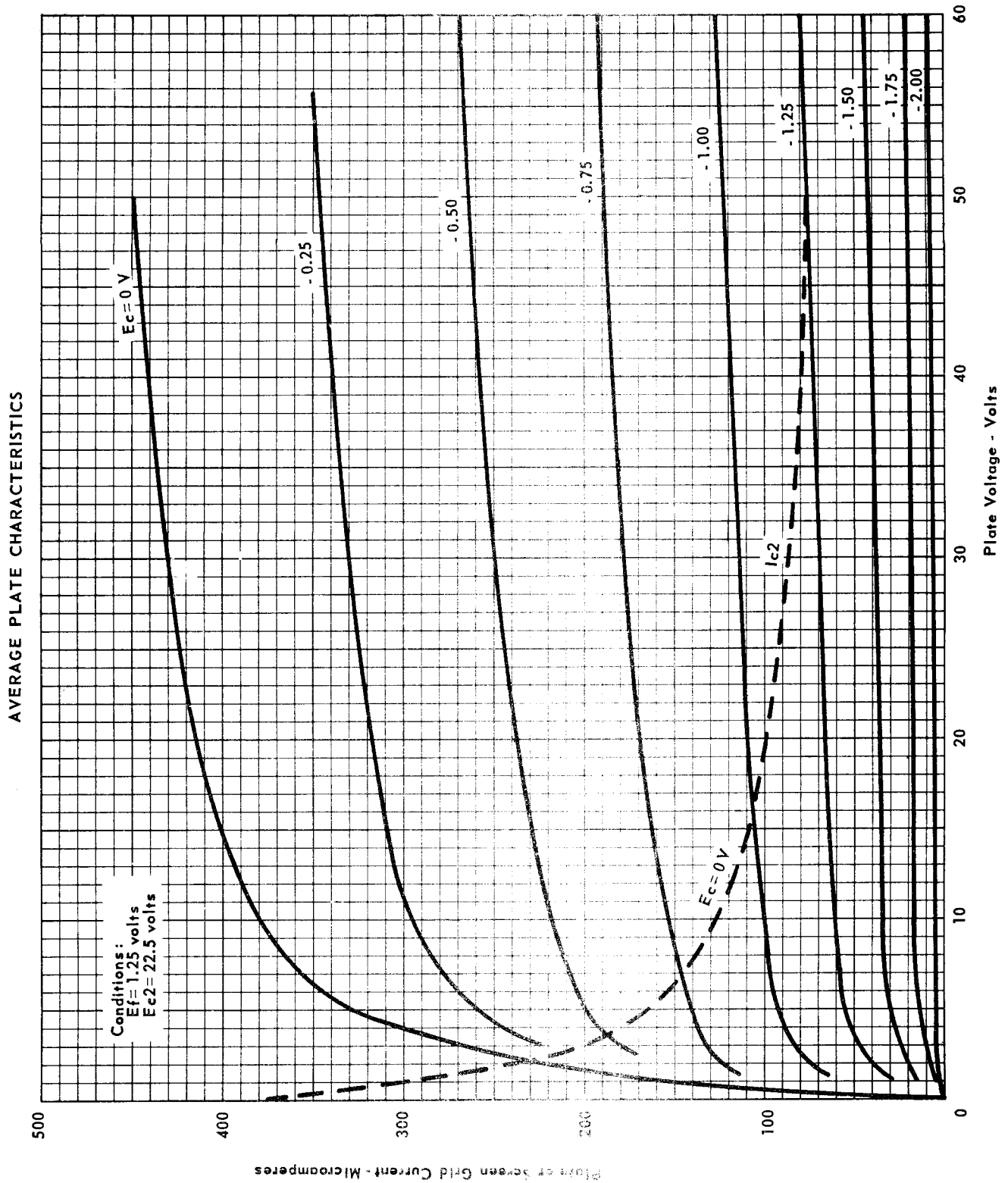
● *Grid #3 is composed of two deflector plates, one being connected to Lead 3 and the other to Lead 5.*

▲ *Grid Resistor: 5 megohms to negative filament.*

♦ *Signal: 0.6 volt, RMS, Source Impedance: 1 megohm.*

RAYTHEON

SUBMINIATURE PENTODE



SUBMINIATURE PENTODE