

*Excellence in Electronics***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 DATAENVELOPE: T-2X3 GlassBASE 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)
Plate Voltage
Screen Grid Voltage
Total Cathode Current

1.25 ± 20% volts
45 volts
45 volts
650 μ a.

CHARACTERISTICS AND TYPICAL OPERATION:

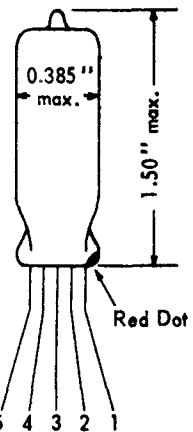
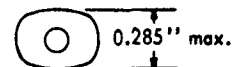
Filament Voltage (dc)
Filament Current
Plate Voltage
Screen Grid Voltage
Control Grid Voltage ▲
Plate Current
Screen Grid Current
Transconductance
Plate Resistance
Load Resistance
Distortion (approx.)
Power Output ♦

1.25 volts
15 ma.
22.5 volts
22.5 volts
0 volts
360 μ a.
90 μ a.
450 μ hos
0.5 meg.
75,000 ohms
12 percent
1.3 mw.

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

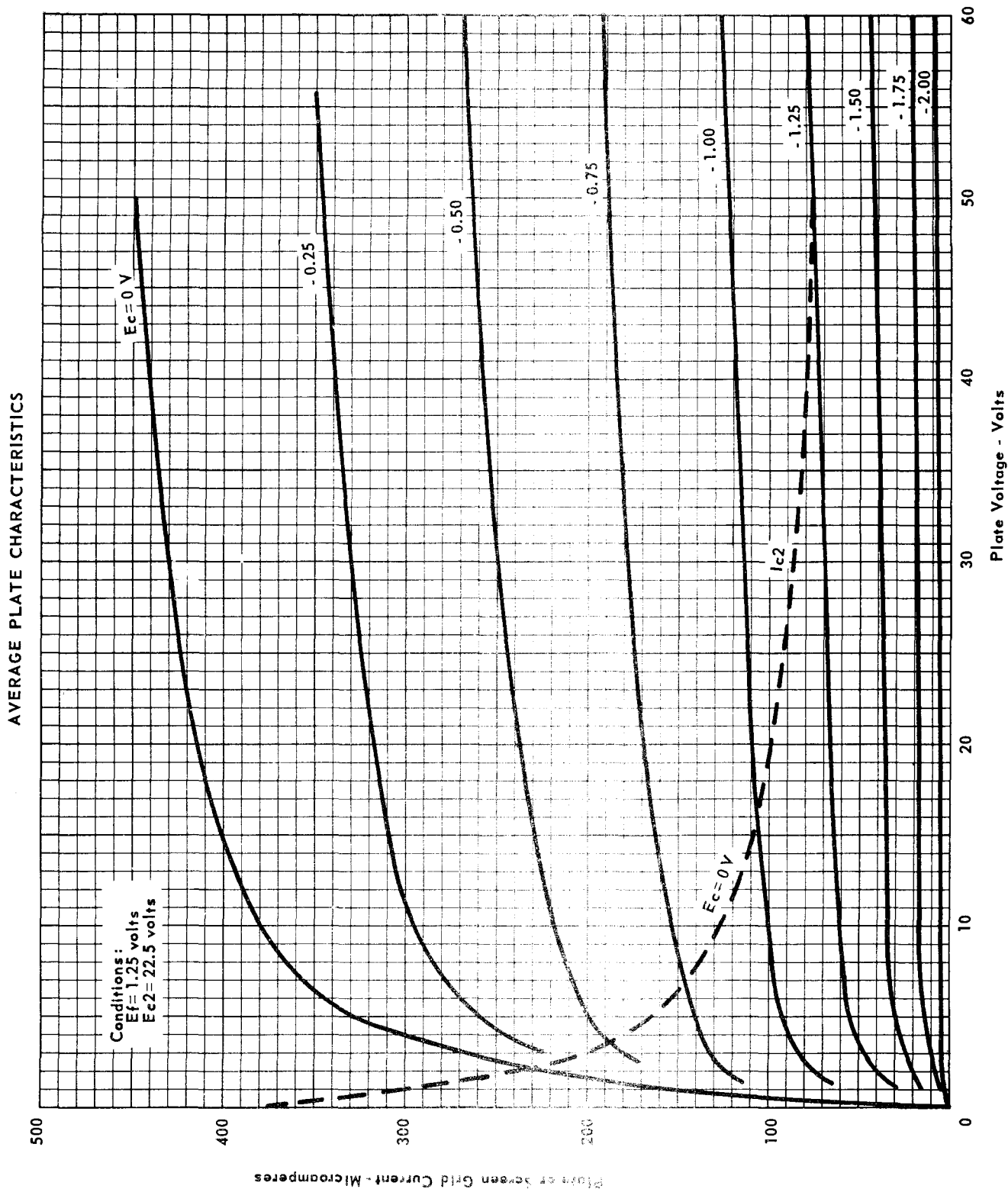
▲ Grid Resistor: 5 megohms to negative filament.

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





SUBMINIATURE PENTODE



RAYTHEON MANUFACTURING COMPANY

RECEIVING TUBE AND SEMICONDUCTOR OPERATIONS



SUBMINIATURE PENTODE

