



Excellence in Electronics

**TYPE
CK534AX**

The CK534AX is a subminiature voltage amplifier pentode designed for use in portable and wear-able 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-2 X 3 Glass

BASE : None (0.016" tinned flexible leads. Length: 1.5" min.
Spacing: 0.048" center-to-center)

DIMENSIONS :

Max. Length
Max. Width
Max. Thickness

1.25 inches
0.385 inches
0.285 inches

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

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

MOUNTING POSITION : Any

ELECTRICAL DATA

RATINGS - ABSOLUTE MAXIMUM VALUES :

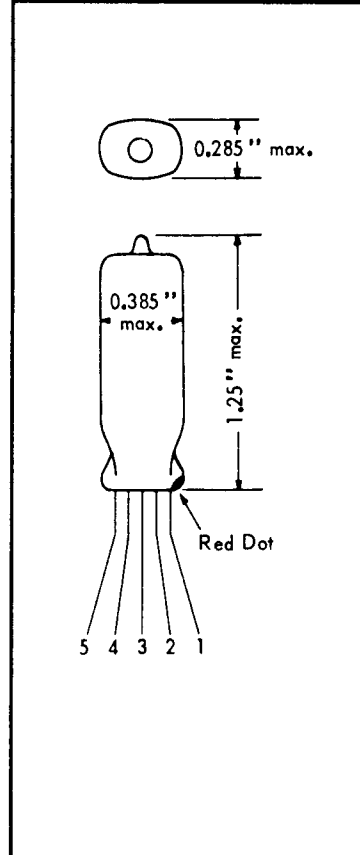
Filament Voltage (dc)
Plate Voltage
Screen Grid Voltage
Cathode Current

0.625 ± 20% volts
30 volts
30 volts
0.1 ma.

CHARACTERISTICS AND TYPICAL OPERATION :

Filament Voltage (dc)
Filament Current
Plate and Screen Supply Voltage
Control Grid Voltage
Plate Resistor
Screen Grid Resistor
Control Grid Resistor
Plate Current
Screen Grid Current
Transconductance
Plate Resistance (approx.)
Voltage Gain (average) ♦

0.625 volts
15 ma.
15 volts
-0.625 volts
1 meg.
1.5 meg.
5 meg.
9.2 μa.
3.7 μa.
36 μmhos
5 meg.
24



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

♦ With a following grid resistor of 5 megohms and a signal of 0.1 Volts RMS.

Tentative Data

RAYTHEON MANUFACTURING COMPANY

RECEIVING AND CATHODE RAY TUBE OPERATIONS