



*Excellence in Electronics*

**TYPE**

**CK526AX**

The CK526AX is a filament type pentode of subminiature construction designed for use as a power amplifier in portable and wearable equipment. The tinned flexible 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 2 Screen Grid
- Lead 3 Filament, Positive ♦
- Lead 4 Control Grid
- Lead 5 Filament, Negative ♦

MOUNTING POSITION: Any

**ELECTRICAL DATA**

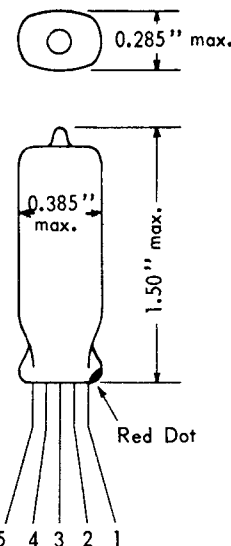
RATINGS - ABSOLUTE MAXIMUM VALUES:

- Filament Voltage (dc) 1.25 ± 20% volts
- Plate Voltage 45 volts
- Screen Grid Voltage 45 volts
- Cathode Current 1.0 ma.

CHARACTERISTICS AND TYPICAL OPERATION:

- Filament Voltage (dc) 1.25 volts
- Filament Current 20 ma.
- Plate Voltage 22.5 volts
- Screen Grid Voltage 22.5 volts
- Control Grid Voltage -1.5 volts
- Peak AF Control Grid Voltage 1.5 volts
- Plate Current 0.45 ma.
- Screen Grid Current 0.12 ma.
- Transconductance 400 μmhos
- Plate Resistance 0.22 meg.
- Load Resistance 0.05 meg.
- Distortion (approx.) 10 percent
- Power Output 3.75 mw.

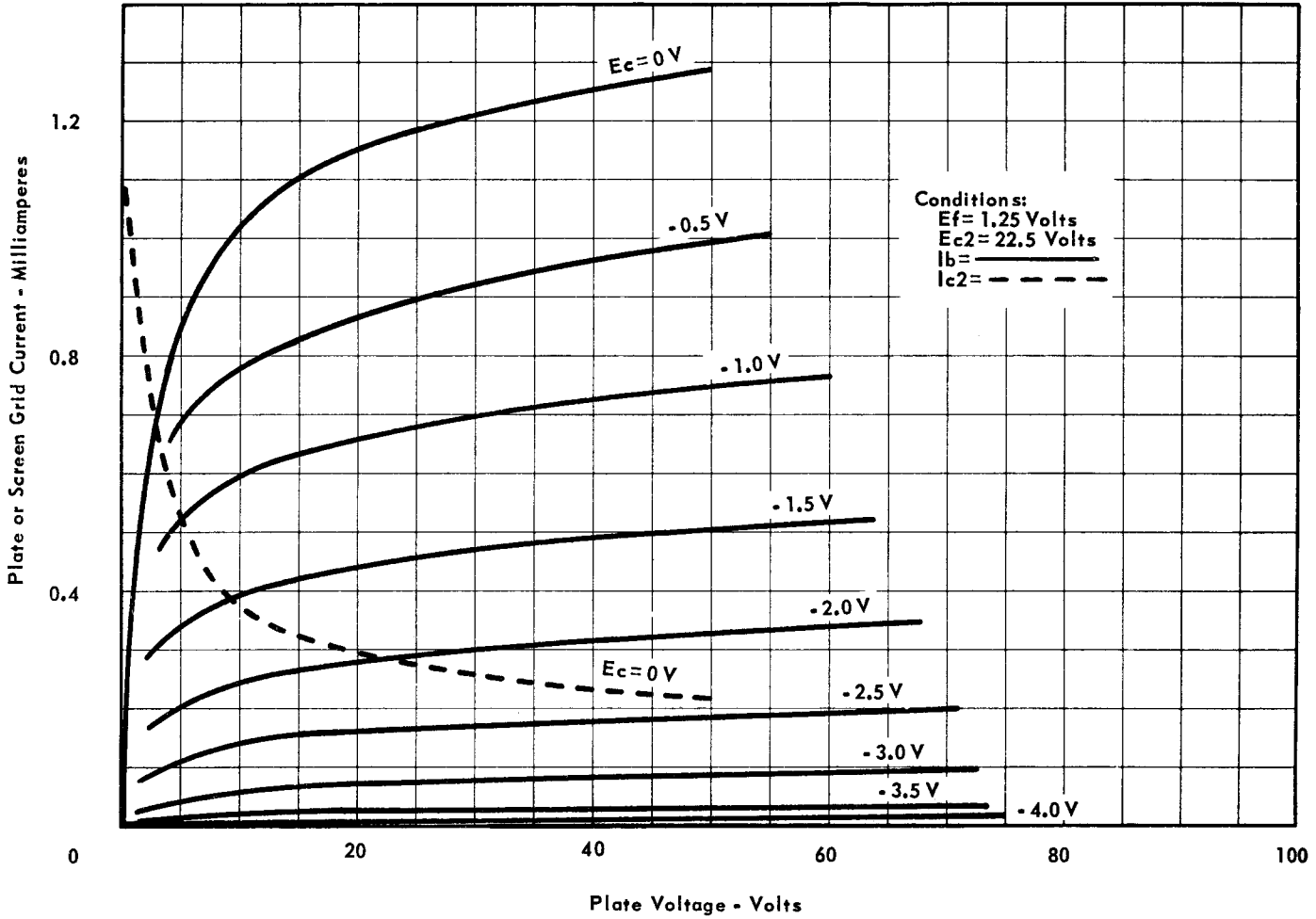
♦ Grid #3 is composed of two deflector plates, one being connected to Lead 3 and the other to Lead 5.





SUBMINIATURE PENTODE

AVERAGE PLATE CHARACTERISTICS



RAYTHEON MANUFACTURING COMPANY

RECEIVING AND CATHODE RAY TUBE OPERATIONS