



Excellence in Electronics

TYPE
CK6286

The CK6286 is a filament type triode of subminiature construction designed for use as an amplifier or oscillator. 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 2 Filament, negative
- Lead 3 Grid
- Lead 4 Filament, positive

MOUNTING POSITION: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES: (uufs.) ▲

- Grid to Plate 1.6
- Grid to Filament 1.3
- Plate to Filament 2.1

RATINGS - ABSOLUTE MAXIMUM VALUES:

- Filament Voltage (dc) 1.25 ± 20% volts
- Plate Voltage 100 volts
- Plate Current 7.0 ma.
- Plate Dissipation 0.45 watt

CHARACTERISTICS AND TYPICAL OPERATION - CLASS A1 AMPLIFIER:

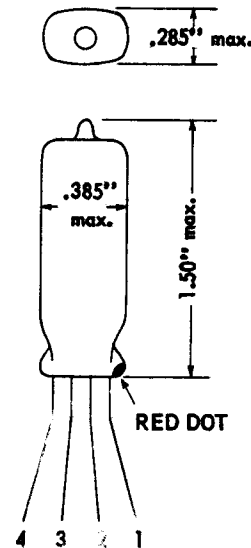
- Filament Voltage (dc) 1.25 volts
- Filament Current 0.125 amp.
- Plate Voltage 67.5 volts
- Grid Voltage -2.0 volts
- Amplification Factor 11.5
- Transconductance 2100 umhos
- Plate Current 6.0 ma.
- Grid Voltage (approx.) for Ib= 50 ua. -8.5 volts

TYPICAL OSCILLATOR CHARACTERISTICS:

- Filament Voltage 1.25 volts
- Plate Voltage 67.5 volts
- Plate Current 5.25 ma.
- Grid Current 325 ua.
- Plate Supply Resistance 1500 ohms
- Grid Resistance 18000 ohms

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

▲ No external shield.



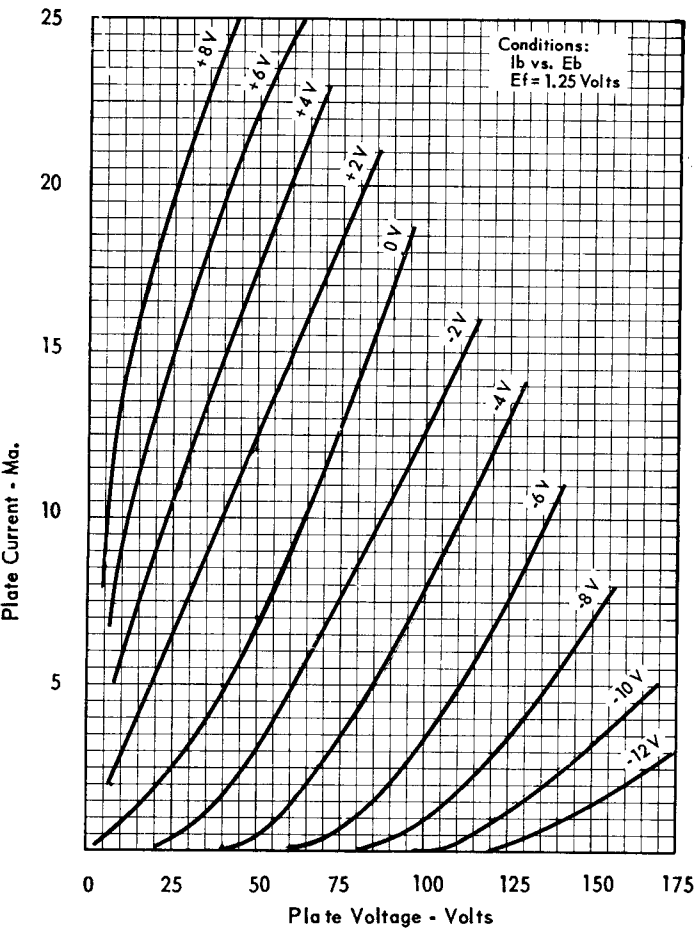
- 1.25 ± 20% volts
- 100 volts
- 7.0 ma.
- 0.45 watt
- 1.25 volts
- 0.125 amp.
- 67.5 volts
- 2.0 volts
- 11.5
- 2100 umhos
- 6.0 ma.
- 8.5 volts
- 1.25 volts
- 67.5 volts
- 5.25 ma.
- 325 ua.
- 1500 ohms
- 18000 ohms

Tentative Data

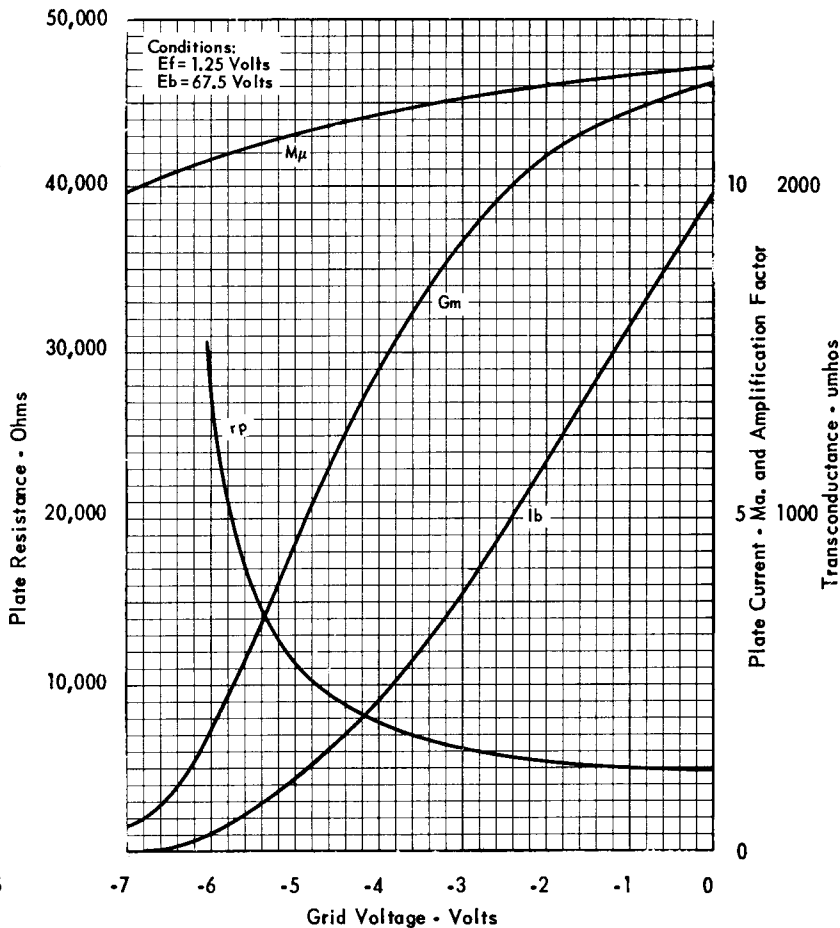


SUBMINIATURE TRIODE

AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS



RAYTHEON MANUFACTURING COMPANY

RECEIVING AND CATHODE RAY TUBE OPERATIONS