The CK6526 is a filament type pentode power amplifier of subminiature construction designed for Class A amplifier applications in intermittent duty-cycle or "push-to-talk" service in portable 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 2 Grid #2
- Lead 3 Filament, Negative, ▲
- Lead 4 Grid #1
- Lead 5 Filament, Positive, ▲ Grid #3
**MOUNTING POSITION:** Any

**ELECTRICAL DATA**

**RATINGS - ABSOLUTE MAXIMUM VALUES:**
- Filament Voltage (dc) 1.25 ± 10% volts
- Plate Voltage 135 volts
- Grid #2 Voltage 135 volts
- Cathode Current 12 mA
- Plate Dissipation 1.1 watts
- Grid #2 Dissipation 0.40 watts

**CHARACTERISTICS AND TYPICAL OPERATION - CLASS A1 AMPLIFIER:**
- Filament Voltage 1.25 volts
- Filament Current 125 mA
- Plate Voltage 110 volts
- Grid #2 Voltage 110 volts
- Grid #1 Voltage -6.0 volts
- Zero-Signal Plate Current 6.5 mA
- Grid #2 Current 1.15 mA
- Transconductance 1900 µmhos
- Plate Resistance (approx.) 0.140 meg.
- Load Resistance 10 Kilohms
- Distortion (approx.) 12 percent
- Power Output 375 mW
- Peak AF Signal Voltage 6.0 volts

▲ Grid #3 is comprised of two separate deflector plates, one of which is connect to lead 3 and the other to lead 5.
AVERAGE PLATE CHARACTERISTICS

Conditions:
E1 = 1.25 V
Ec2 = 110 Vdc
Ib
Ic2

Plate or Grid #2 Current - Milliamperes

Plate Voltage - Volts

Ec1 = 0 V
-2 V
-4 V
-6 V
-8 V
-10 V