The CK6611 is a filament type, fully shielded, subminiature pentode designed for use in RF applications requiring economy of space, weight, and battery drain. 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)
TERMINAL CONNECTIONS: (Red dot is adjacent to lead 1)
- Lead 1 Plate
- Lead 2 Grid #2
- Lead 3 Filament, Negative
- Shield: Grid #3 @
- Lead 4 Grid #1
- Lead 5 Filament, Positive

MOUNTING POSITION: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES: (μF/μs)
- Grid #1 to Plate: 0.008 max.
- Input: 4.0
- Output: 4.0

RATINGS - ABSOLUTE MAXIMUM VALUES:
- Filament Voltage (dc): 1.25±20% volts
- Plate Voltage: 50 volts
- Grid #2 Voltage: 50 volts
- Plate Dissipation: 0.10 watts
- Grid #2 Dissipation: 0.02 watts
- Total Cathode Current: 1.9 ma

CHARACTERISTICS AND TYPICAL OPERATION - CLASS A 1 AMPLIFIER:
- Filament Voltages (dc): 1.25
- Filament Current: 0.02 amps
- Plate Voltage: 30 volts
- Grid #2 Voltage: 30 volts
- Grid #1 Voltage: 0 volts
- Plate Resistance (approx.): 0.4 meg.
- Transconductance: 10000 μmhos
- Plate Current: 1.0 ma
- Grid #2 Current: 0.35 ma
- Grid #1 Voltage (approx.): -3.0 volts

- Grid Resistor= 5 megohms
- Bulb is entirely coated with a metallic shield connected to lead 3.
- Grid #1 is comprised of two separate deflector plates, one of which is connected to lead 3 and the other to lead 5.
- Screen Supply Voltage through series 47,000 ohms supply resistor.
- Plate and Screen Supply Voltages should not exceed these values under any circumstances.
AVERAGE PLATE CHARACTERISTICS
(Triode Connected)

Conditions:
$E_f = 1.25 \text{ V}$