The CK5672 is a filament type pentode of subminiature construction designed for use as a power amplifier in wearable and 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: 0.040" center-to-center)

**TERMINAL CONNECTIONS:**  
Lead 1 Plate  
Lead 2 Grid #2  
Lead 3 Filament, positive  
Lead 4 Grid #1  
Lead 5 Filament, negative

**MOUNTING POSITION:** Any

**ELECTRICAL DATA**

**DIRECT INTERELECTRODE CAPACITANCES: (µfd) ▲**

- Grid #1 to Plate: 0.14  
- Input: 2.8  
- Output: 3.5

**RATINGS - ABSOLUTE MAXIMUM VALUES:**

- Filament Voltage (dc): 1.25 ± 20% volts  
- Plate Voltage: 100 volts  
- Grid #2 Voltage: 100 volts  
- Total Cathode Current: 5.5 ma.

**CHARACTERISTICS AND TYPICAL OPERATION:**

- Filament Voltage (dc): 1.25 volts  
- Filament Current: 50 ma.  
- Plate Voltage: 67.5 volts  
- Grid #2 Voltage: 67.5 volts  
- Grid #1 Voltage: -6.5 volts  
- Plate Current: 3.25 ma.  
- Grid #2 Current: 0.95 ma.  
- Transconductance: 650 µmhos  
- Plate Resistance: 125 kilohms  
- Load Resistance: 20 kilohms  
- Distortion (approx.): 10 percent  
- Power Output: 65 mw.  
- Peak AF Signal Voltage: 6.5 volts

▲ Without shield.
AVERAGE PLATE CHARACTERISTICS
(Triode Connected)

Conditions:
Ef = 1.25 Vdc

Plate Current - Milliamperes

Plate Voltage - Volts
SUBMINIATURE PENTODE

AVERAGE CHARACTERISTICS
(Pentode Connected)

Conditions:
$E_f = 1.25 \text{ Vdc}$
$E_b = E_{c2} = 67.5 \text{ Vdc}$

- $r_p$
- $g_m$
- $I_{c2}$
- $I_b$

Plate Resistance - Kiloohms
Transconductance - Microhoms

Plate or Grid #2 Current - Ma.

Grid #1 Voltage - Volts

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RAYTHEON MANUFACTURING COMPANY
RECEIVING AND CATHODE RAY TUBE OPERATIONS

August 30, 1955
NEWTON 58, MASS.
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POWER OUTPUT CHARACTERISTICS

Conditions:
- \( E_f = 1.25 \text{ volts} \)
- \( E_b = E_{c2} = 67.5 \text{ volts} \)
- \( E_{c1} = 6.50 \text{ volts} \)
- Signal Voltage = 4.55 volts RMS

Plate Load - Kilohms

Power Output

Harmonics - %

H3

H2