The CK5967 is a filament type double triode of subminiature construction with an amplification factor of approximately 17 designed for push-pull Class A RF amplifier service at VHF frequencies. It may also be used as a push-pull mixer or oscillator over this range. The flexible terminal leads may soldered or welded directly to the terminals of circuit components without the use of sockets. Standard 8-pin subminiature sockets may be used by cutting the leads to a suitable length.

**MECHANICAL DATA**

**ENVELOPE:** T-3 Glass  
**BASE:** Subminiature Button 8-Pin (0.016" tinned flexible leads Length: 1.5" minimum)

**TERMINAL CONNECTIONS:**
- Lead 1 Plate, Unit #2
- Lead 2 Filament, Negative
- Lead 3 Grid, Unit #2
- Lead 4 Filament, Positive
- Lead 5 Filament, Positive
- Lead 6 Grid, Unit #1
- Lead 7 Filament, Negative
- Lead 8 Plate, Unit #1

**MOUNTING POSITION:** Any

**ELECTRICAL DATA**

**DIRECT INTERELECTRODE CAPACITANCES:** (each unit) (μfd.)
- Grid to Plate: (g to p) 1.7
- Input: (g to i) 0.9
- Output: (p to i) 0.9
- Grid to Grid: (g to 2g) 0.2
- Plate to Plate: (1p to 2p) 0.2

**ABSOLUTE MAXIMUM RATINGS:**
- Filament Voltage (dc) 1.25±20% volts
- Plate Voltage 50 volts
- Total Cathode Current (each unit) 4.4 ma.

**CHARACTERISTICS AND TYPICAL OPERATION: CLASS A1 AMPLIFIER:**
- Filament Voltage (dc) 1.25 volts
- Filament Current 120 ma.
- Plate Voltage 45 volts
- Grid Voltage 0 volts
- Transconductance (each unit) 2000 μmhos
- Amplification Factor (each unit) 17
- Plate Current (each unit) 3.0 ma.
- Grid Voltage for IB=20 μAdc (each unit) (approx.) -3 volts

* No external shield.

* Grid Resistor=5 megohms.

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from JETEC release #1516, Sept. 12, 1955

Tentative Data

RAYTHEON MANUFACTURING COMPANY
RECEIVING AND CATHODE RAY TUBE OPERATIONS

June 30, 1955
NEWTON 58, MASS.
AVERAGE PLATE CHARACTERISTICS

Conditions:
EF = 1.25 VDC