The CK5968 is a filament type double triode of subminiature construction with an amplification factor of approximately 50 designed for use as a push-pull mixer at frequencies in the VHF Range. The flexible terminal leads may be 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 (0.017" tinned flexible leads. Length: 1.50" 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:** (Unshielded) (μF/ds.)

- Grid to Plate (each unit): 0.9
- Plate to Filament (each unit): 0.2
- Grid to Filament (each unit): 0.2
- Grid to Grid: 0.2
- Plate to Plate: 0.2

**RATINGS - ABSOLUTE MAXIMUM VALUES:**

- Filament Voltage (dc): 1.25 ± 0.20 volts
- Plate Voltage: 45 volts
- Total Cathode Current (each unit): 4 ma.

**CHARACTERISTICS AND TYPICAL OPERATION - CLASS A 1 AMPLIFIER:**

- Filament Voltage (dc): 1.25 volts
- Filament Current: 120 ma.
- Plate Voltage: 45 volts
- Grid Voltage: 0 volts
- Transconductance (each unit): 1200 μmhos
- Amplification Factor (each unit): 50
- Plate Current (each unit): 0.7 ma.

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from JETEC release #1961, July 1, 1957

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**Tentative Data**

RAYTHEON MANUFACTURING COMPANY

RECEIVING AND CATHODE RAY TUBE OPERATIONS

February 15, 1956

NEWTON SQ., MASS.