



*Excellence in Electronics*

**TYPE  
CK5967**

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) ( $\mu\text{fds.}$ ) †

Grid to Plate: (g to p)	1.7
Input: (g to f)	0.9
Output: (p to f)	0.9
Grid to Grid: (1g to 2g)	0.2
Plate to Plate: (1p to 2p)	0.2

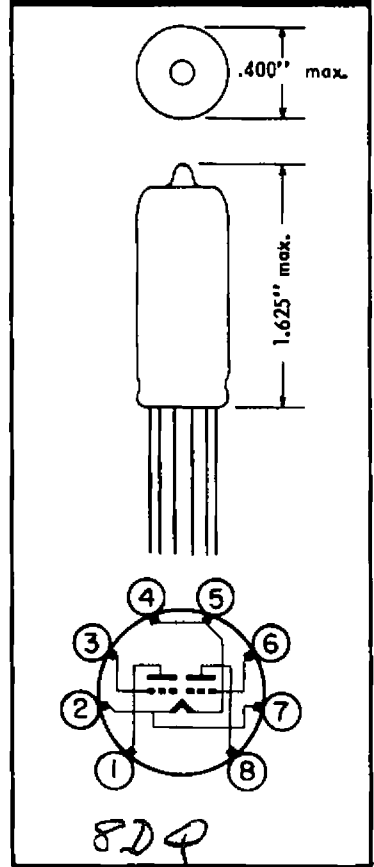
**ABSOLUTE MAXIMUM RATINGS:**

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 $\mu\text{hos}$
Amplification Factor (each unit)	17
Plate Current (each unit)	3.0 ma.
Grid Voltage for $I_b = 20 \mu\text{Adc}$ (each unit) (approx.)	-3 volts

† No external Shield.  
 ▲ Grid Resistor = 5 megohms.



from JETEC release #1516, Sept. 12, 1955

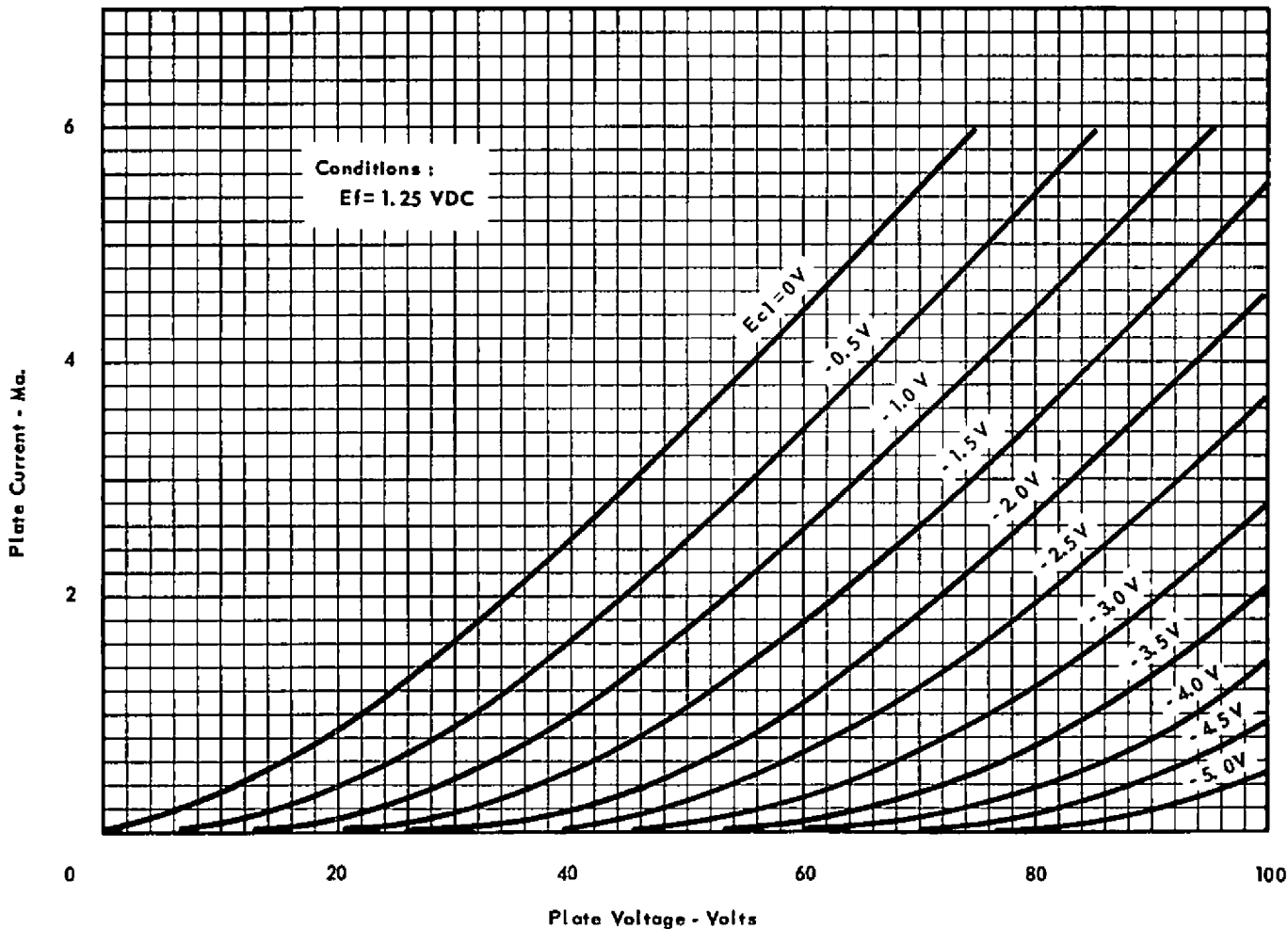
Tentative Data

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SUBMINIATURE DOUBLE TRIODE

AVERAGE PLATE CHARACTERISTICS



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