



TECHNICAL INFORMATION

SUBMINIATURE
DOUBLE TRIODE

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 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 (0.016" tinned flexible leads
Length: 1.5" minimum)

TERMINAL CONNECTIONS:

Lead 1 Plate, Unit #2	Lead 5 Filament, Positive
Lead 2 Filament, Negative	Lead 6 Grid, Unit #1
Lead 3 Grid, Unit #2	Lead 7 Filament, Negative
Lead 4 Filament, Positive	Lead 8 Plate, Unit #1

MOUNTING POSITION: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES: (each unit) ($\mu\text{fds.}$) ♦

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

1.7
0.9
0.9
0.2
0.2

ABSOLUTE MAXIMUM RATINGS:

Filament Voltage (dc)
Plate Voltage
Total Cathode Current (each unit)

1.25 ± 20% volts
50 volts
4.4 ma.

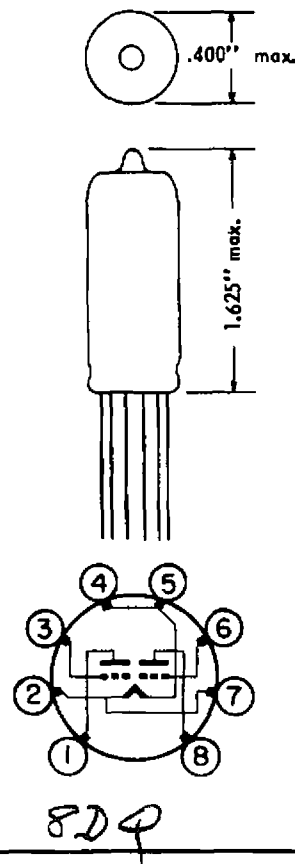
CHARACTERISTICS AND TYPICAL OPERATION - CLASS A1 AMPLIFIER:

Filament Voltage (dc)
Filament Current
Plate Voltage
Grid Voltage ▲
Transconductance (each unit)
Amplification Factor (each unit)
Plate Current (each unit)
Grid Voltage for $I_b = 20 \mu\text{Adc}$ (each unit) (approx.)

1.25 volts
120 ma.
45 volts
0 volts
2000 μmhos
17
3.0 ma.
-3 volts

♦ No external Shield.

▲ Grid Resistor = 5 megohms.



from JETEC release #1516, Sept. 12, 1955

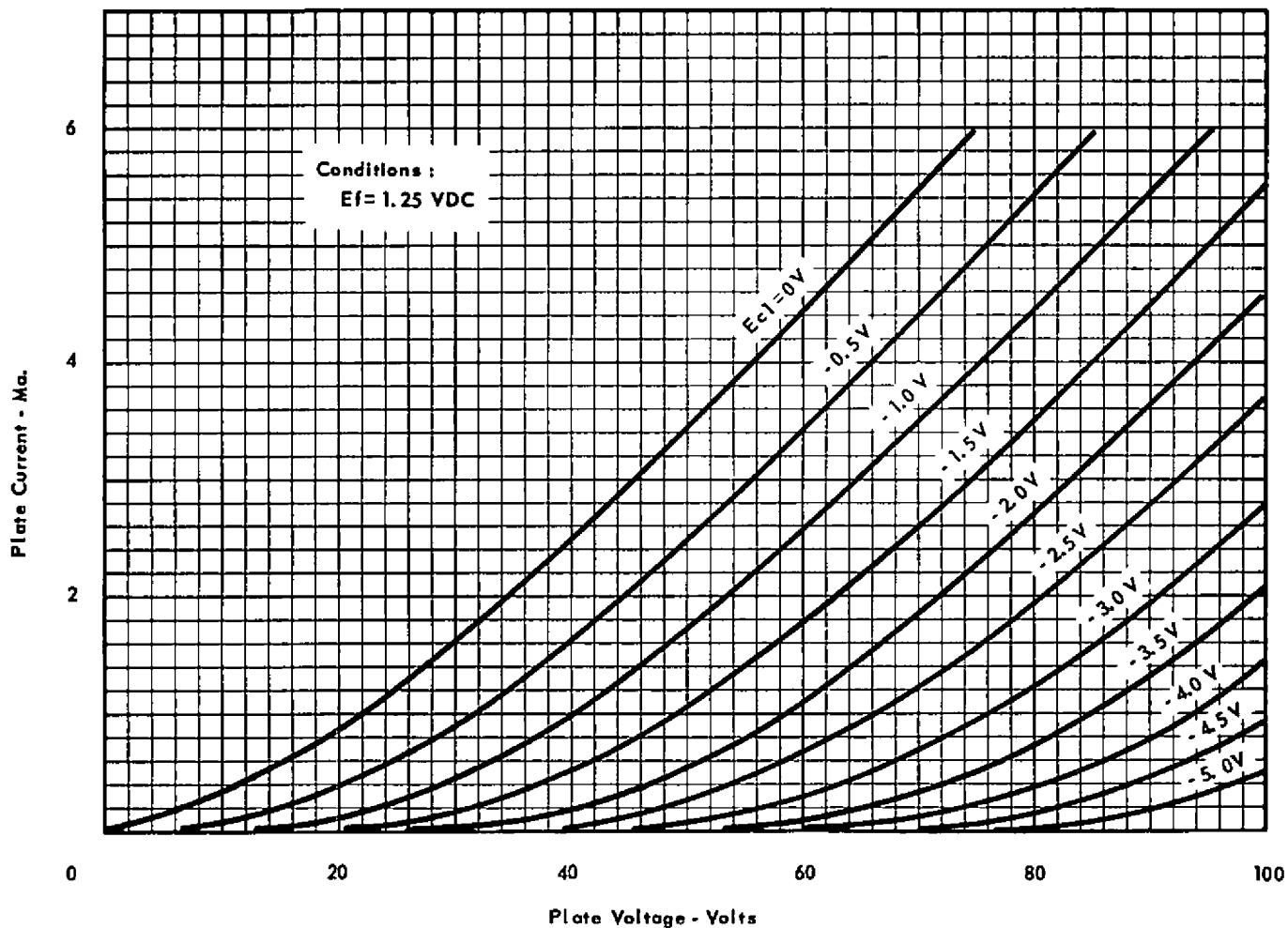
Tentative Data

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SUBMINIATURE DOUBLE TRIODE

AVERAGE PLATE CHARACTERISTICS



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