



Excellence in Electronics

TYPE CK6397

The CK6397 is a filament type RF Power Pentode of subminiature construction designed for use as an intermittent duty cycle Class A or Class C amplifier such as in portable transceiver equipment or as a frequency doubler at output frequencies in the VHF Range. It is designed for dependable operation under conditions of shock and vibration usually found in mobile and aircraft applications. 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: 1.25" min.)

TERMINAL CONNECTIONS:

- Lead 1 Filament, negative
Lead 2 No Connection
Lead 3 Plate
Lead 4 No Connection
Lead 5 Filament center-top, Grid #3, (F+parallel)
Lead 6 Grid #2
Lead 7 Filament, positive
Lead 8 Grid #1

MOUNTING POSITION: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES: (pF)

Table with 3 columns: Parameter, Unshielded, Shielded. Rows include Grid to Plate, Input, and Output capacitances.

RATINGS - ABSOLUTE MAXIMUM VALUES:

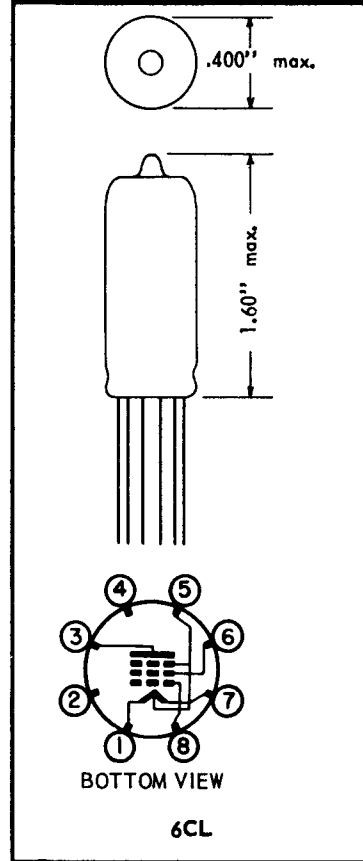
Table with 2 columns: Parameter, Value. Rows include Filament Voltage, Plate Voltage, Grid #2 Voltage, Grid #1 Voltage, Plate Dissipation, Grid #2 Dissipation, Cathode Current, Grid #1 Current, Altitude, and Impact.

CHARACTERISTICS AND TYPICAL OPERATION - CLASS A AMPLIFIER:

Table with 2 columns: Parameter, Value. Rows include Filament Voltage, Filament Current, Plate Voltage, Grid #2 Voltage, Grid #1 Voltage, Plate Current, Grid #2 Current, and Transconductance.

CHARACTERISTICS AND TYPICAL OPERATION - FREQUENCY DOUBLER:

Table with 3 columns: Parameter, Value 1, Value 2. Rows include Filament Voltage, Filament Current, DC Plate Voltage, DC Grid #2 Voltage, Grid Bias Resistance, Peak RF Grid Drive Voltage, Plate Current, Grid #2 Current, Grid #1 Current (approx.), Useful Power Output, and Output Frequency.



Tentative Data

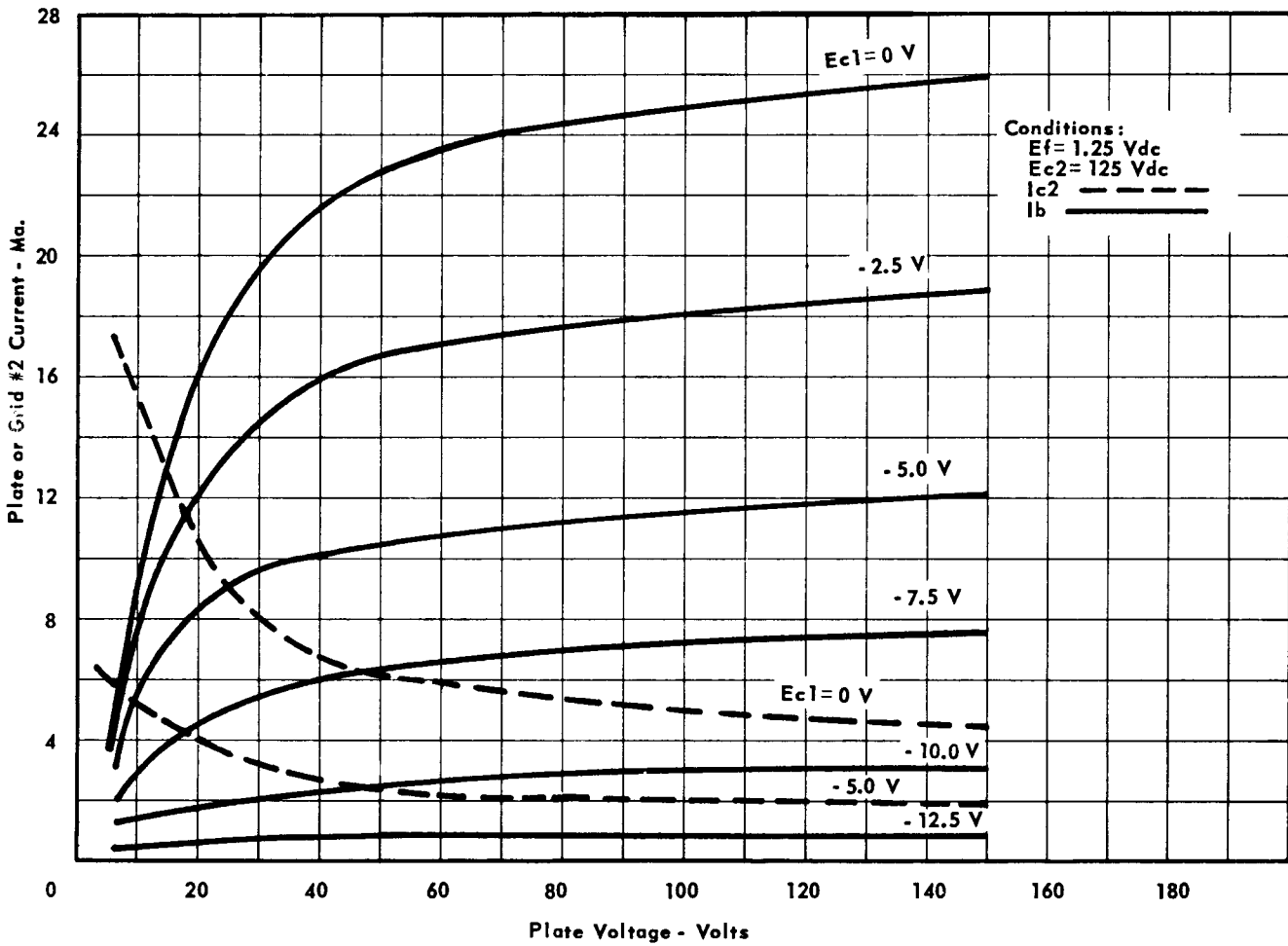
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RECEIVING AND CATHODE RAY TUBE OPERATIONS



SUBMINIATURE POWER PENTODE

AVERAGE PLATE CHARACTERISTICS



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SUBMINIATURE POWER PENTODE

