



## ELECTRONIC TUBE REFERENCE

## C324

Voltage - Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

## 1 SECTION

CONSTRUCTION

## TETRODE

Cunningham screen-grid tetrode for RF amplification and detector service in radio receivers. Its screened structure improves high-frequency gain and stability.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 5             |
| NOMINAL HEATER      | 2.5 V / 1.75 A    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                    |                 |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| SECTION 1 Tetrode                                                                                                                  |                 |
| PLATE RESISTANCE                                                                                                                   | 400000 $\Omega$ |
| MAXIMUM PLATE VOLTAGE                                                                                                              | 180 V           |
| MAXIMUM SCREEN VOLTAGE                                                                                                             | 75 V            |
| <i>Published ratings and characteristic constants promoted where applicable; operating recommendations retained as parameters.</i> |                 |

C324: Cunningham screen-grid RF amplifier/detector. The complete bulletin was read for construction, ratings, circuit recommendations, and operating characteristics.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1931 Cunningham Radio Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

## 1931 CUNNINGHAM RADIO TUBES

## Section 1 · Tetrode

| CHARACTERISTICS         |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Filament/heater voltage | 2.5 V           | —                |
| Filament/heater current | 1.75 A          | —                |
| Plate resistance        | 400000 ohm      | —                |
| Grid-plate capacitance  | 0.01 pF         | —                |

| OTHER                       |                 |                  |
|-----------------------------|-----------------|------------------|
| PARAMETER                   | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum plate voltage       | 180 V           | —                |
| Maximum screen-grid voltage | 75 V            | —                |

## TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,  
and their source documents.

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