



## ELECTRONIC TUBE REFERENCE

## SR41

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

## 1 SECTION

CONSTRUCTION

## VOLTAGEREGULATOR

Subminiature precision reference maintaining approximately 85 V at only 50–250  $\mu$ A, with firing anode and very small specified voltage jumps.

## GENERAL CHARACTERISTICS

|                     |                        |                      |               |
|---------------------|------------------------|----------------------|---------------|
| BASE DESIGNATION    | —                      | BASE PINS            | —             |
| NOMINAL HEATER      | — / —                  | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect; cold cathode | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes      | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                             |         |
|-----------------------------|---------|
| SECTION 1 Voltage Regulator |         |
| REGULATOR VOLTAGE           | 85 V    |
| MINIMUM REGULATOR CURRENT   | 0.05 mA |
| MAXIMUM REGULATOR CURRENT   | 0.25 mA |
| STARTING VOLTAGE            | 135 V   |
| MAINTAINING VOLTAGE         | 85 V    |

Subminiature cold-molybdenum-cathode voltage reference tube for very-low-current stabilization from 50 to 250 microamperes.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1962 Cerberus

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

## 1962 CERBERUS

## Section 1 · Voltage Regulator

| CHARACTERISTICS                     |                 |                  |
|-------------------------------------|-----------------|------------------|
| PARAMETER                           | PUBLISHED VALUE | CONDITION / NOTE |
| Breakdown voltage with firing anode | 95 V            | UAZ=150V         |
| Firing-anode breakdown voltage      | 150 V           | —                |
| Stabilized voltage                  | 83–87 V         | 50uA             |
| Regulation                          | 5 V             | 50-250uA         |
| Voltage jumps maximum               | 1 mV            | —                |

## TUBE TINKER

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

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