



## ELECTRONIC TUBE REFERENCE

5962

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Cold-cathode corona-discharge gas diode for high-voltage, very-low-current regulation in instrumentation and similar electronic supplies.

## 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                                                                                                                      |          |
| MAXIMUM PLATE VOLTAGE                                                                                                                            | 2000 V   |
| MAXIMUM CATHODE CURRENT                                                                                                                          | 0.055 mA |
| MINIMUM REGULATOR CURRENT                                                                                                                        | 0.002 mA |
| MAXIMUM REGULATOR CURRENT                                                                                                                        | 0.055 mA |
| <i>Published maximum ratings and characteristics promoted from the approved source; repeated identical sections compressed where applicable.</i> |          |

Cold-cathode corona-discharge gas diode used as a high-voltage, low-current voltage regulator.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1938 Raytheon

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

1938 RAYTHEON

## Section 1 · Voltage Regulator

| OTHER                           |                 |                                   |
|---------------------------------|-----------------|-----------------------------------|
| PARAMETER                       | PUBLISHED VALUE | CONDITION / NOTE                  |
| Maximum Plate Voltage           | 2000 V          | —                                 |
| Maximum Cathode Current         | 0.055 mA        | —                                 |
| RegulatorCurrentMinimum         | 0.002 mA        | —                                 |
| RegulatorCurrentMaximum         | 0.055 mA        | —                                 |
| Minimum DC Anode Supply Voltage | 750 V           | Minimum supply to insure starting |

| CHARACTERISTIC  |                 |                  |
|-----------------|-----------------|------------------|
| PARAMETER       | PUBLISHED VALUE | CONDITION / NOTE |
| RegulationRange | 15 V            | 5 to 55 uA       |

## TUBE TINKER

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and their source documents.

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