



## ELECTRONIC TUBE REFERENCE

5799

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Subminiature high-voltage half-wave rectifier for portable and measuring instruments requiring high voltage at extremely low current. Its tiny filament demand suits compact battery-powered equipment.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 1.25 V / 10 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                         |        |
|-------------------------|--------|
| SECTION 1 Rectifier     |        |
| MAXIMUM CATHODE CURRENT | 0.2 mA |
| PEAK INVERSE VOLTAGE    | 3000 V |
| NOMINAL OUTPUT CURRENT  | 0.2 mA |
| PEAK FORWARD CURRENT    | 0.6 mA |
| FORWARD VOLTAGE DROP    | 5 V    |

Subminiature high-voltage half-wave rectifier designed for portable and measuring instruments requiring high voltage at low current.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1950 Victoreen

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

## 1950 VICTOREEN

## Section 1 · Rectifier

| CHARACTERISTIC         |                 |                  |
|------------------------|-----------------|------------------|
| PARAMETER              | PUBLISHED VALUE | CONDITION / NOTE |
| Filament Voltage       | 1.1–1.5 V       | —                |
| TubeVoltageDropAt200uA | 5 V             | —                |

| OTHER                |                 |                  |
|----------------------|-----------------|------------------|
| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE |
| Peak Inverse Voltage | 3000 V          | —                |
| Peak Plate Current   | 600 uA          | —                |
| DC Output Current    | 200 uA          | —                |

| CAPACITANCE |                 |                  |
|-------------|-----------------|------------------|
| PARAMETER   | PUBLISHED VALUE | CONDITION / NOTE |
| Capacitance | 1 pF            | —                |

## TUBE TINKER

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and their source documents.

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