



## ELECTRONIC TUBE REFERENCE

5829

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-DIODE

Special high-frequency twin diode intended for detector and low-current rectifier service, providing paired sections for RF signal processing.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | 5829              | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 150 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                                                                           |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| SECTION1 Diode                                                                                                                                                                            |       |
| PEAK INVERSE VOLTAGE                                                                                                                                                                      | 320 V |
| NOMINAL OUTPUT CURRENT                                                                                                                                                                    | 5 mA  |
| FORWARD VOLTAGE DROP                                                                                                                                                                      | 5 V   |
| <i>Promoted from clearly identified printed ratings/characteristics; additional published operating points, capacitances, and specialized ratings retained in TUBE_SECTION_PARAMETER.</i> |       |

|                                                                                          |  |
|------------------------------------------------------------------------------------------|--|
| SECTION2 Diode                                                                           |  |
| <i>No fixed ratings recorded.</i>                                                        |  |
| <i>Second physical diode section added in approved section-structure reconciliation.</i> |  |

Special high-frequency twin diode for detector and low-current half-wave rectifier service.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 195X General Electric Essential Characteristics

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

## 195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

## Section 1 · Diode

| CHARACTERISTIC    |                 |                  |
|-------------------|-----------------|------------------|
| PARAMETER         | PUBLISHED VALUE | CONDITION / NOTE |
| Tube voltage drop | 5 V             | At15mADC         |

| OTHER                               |                 |                      |
|-------------------------------------|-----------------|----------------------|
| PARAMETER                           | PUBLISHED VALUE | CONDITION / NOTE     |
| DC output current maximum per plate | 5 mA            | HalfWave;EachSection |
| Peak inverse voltage maximum        | 320 V           | HalfWave;EachSection |
| RMS supply voltage per plate        | 117 V           | HalfWave;EachSection |

## TUBE TINKER

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and their source documents.

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