

ELECTRONIC TUBE REFERENCE

21A1

Specialized - Thyratron electronic tube

CONSOLIDATED TECHNICAL DATA  
1 SECTION  
CONSTRUCTION  
TETRODE

Gas-filled tetrode half-wave grid-controlled rectifier designed for high-altitude service. Grid triggering provides controlled gas conduction under reduced atmospheric pressure.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 950 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                           |        |
|---------------------------|--------|
| SECTION1 Tetrode          |        |
| MAXIMUM CATHODE CURRENT   | 250 mA |
| REDO promoted-field audit |        |

Gas-filled tetrode half-wave grid-controlled rectifier for high-altitude service.



## SOURCE OPERATING CONDITIONS

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# 1960 Mazda

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

1960 MAZDA

## Section 1 · Tetrode

**CONSTRUCTION**

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
|-----------|-----------------|------------------|
| Filling   | Gas             | —                |

**OTHER**

| PARAMETER        | PUBLISHED VALUE | CONDITION / NOTE |
|------------------|-----------------|------------------|
| Maximum altitude | 55000 ft        | —                |



## SOURCE OPERATING CONDITIONS

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# 1961 AEI Industrial Valves

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

1961 AEI INDUSTRIAL VALVES

## Section 1 · Tetrode

**CHARACTERISTICS**

| PARAMETER                          | PUBLISHED VALUE | CONDITION / NOTE |
|------------------------------------|-----------------|------------------|
| Maximum peak forward anode voltage | 600 V           | —                |
| Maximum peak inverse anode voltage | 1300 V          | —                |
| Maximum peak cathode current       | 1250 mA         | —                |
| Maximum shield-grid voltage        | -100 V          | —                |
| Maximum control-grid voltage       | -100 V          | —                |
| Maximum heater-cathode voltage     | 25 V            | —                |

## SOURCE OPERATING CONDITIONS

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# 1961 Associated Electrical Industries

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## 1961 ASSOCIATED ELECTRICAL INDUSTRIES

## Section 1 · Tetrode

| CHARACTERISTICS                    |                 |                  |
|------------------------------------|-----------------|------------------|
| PARAMETER                          | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum peak forward anode voltage | <b>600 V</b>    | —                |
| Maximum peak inverse anode voltage | <b>1300 V</b>   | —                |
| Maximum peak cathode current       | <b>1250 mA</b>  | —                |

## TUBE TINKER

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