



ELECTRONIC TUBE REFERENCE

# STE2500052

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**  
CONSTRUCTION  
**THYRATRON**

Mercury-vapor switching triode for relay and control applications. Grid triggering initiates controlled gas-discharge conduction.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 2.5 V / 5 A       | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

**SECTION 0** Thyatron

*No fixed ratings recorded.*

Mercury-vapor-filled switching triode for relay and control applications.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1963 Siemens

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

1963 SIEMENS

## Section 0 · Thyatron

| OTHER                          |                 |                        |
|--------------------------------|-----------------|------------------------|
| PARAMETER                      | PUBLISHED VALUE | CONDITION / NOTE       |
| AnodePeakVoltageContinuous     | <b>1500 V</b>   | Continuous operation   |
| AnodePeakVoltageIntermittent   | <b>2500 V</b>   | Intermittent operation |
| PeakInverseVoltageContinuous   | <b>1500 V</b>   | Continuous operation   |
| PeakInverseVoltageIntermittent | <b>5000 V</b>   | Intermittent operation |
| PeakAnodeCurrentContinuous     | <b>2 A</b>      | f < 25 Hz              |
| Surge Anode Current            | <b>40 A</b>     | t ≤ 0.1 s              |

| CHARACTERISTIC |                 |                  |
|----------------|-----------------|------------------|
| PARAMETER      | PUBLISHED VALUE | CONDITION / NOTE |
| ArcVoltage     | <b>12 V</b>     | —                |
| IgnitionTime   | <b>10 us</b>    | —                |