

ELECTRONIC TUBE REFERENCE

0A5

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION  
CONSTRUCTION  
THYRATRON

Cold-cathode gas-discharge electronic switch. Ionization provides abrupt heaterless conduction for trigger and control circuits.

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

|                                                  |        |
|--------------------------------------------------|--------|
| SECTION1 Thyratron                               |        |
| MAXIMUM PLATE VOLTAGE                            | 1500 V |
| MAXIMUM CATHODE CURRENT                          | 10 A   |
| Grid-controlled gas-discharge switching section. |        |

The Sylvania 0A5 is a gas-filled grid-controlled electronic switching tube for pulse-triggered discharge circuits.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1965 Sylvania Electronic Tubes Vol3

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

## 1965 SYLVANIA ELECTRONIC TUBES VOL3

## Section 1 · Thyatron

| OTHER                                 |                 |                  |
|---------------------------------------|-----------------|------------------|
| PARAMETER                             | PUBLISHED VALUE | CONDITION / NOTE |
| Minimum Anode Voltage                 | 500 V           | —                |
| Maximum Anode Voltage                 | 1500 V          | —                |
| Maximum Shield Grid Voltage           | 1000 V          | —                |
| Maximum Trigger Grid Negative Voltage | -180 V          | —                |
| Maximum Trigger Grid Positive Voltage | 90 V            | —                |
| Maximum Trigger Grid Power Input      | 1 W             | —                |
| Maximum Peak Cathode Current          | 10 A            | —                |
| Anode Voltage                         | 750 V           | ElectronicSwitch |
| Trigger Grid Bias                     | 90 V            | ElectronicSwitch |
| Trigger Pulse Voltage                 | 160 V           | ElectronicSwitch |
| Discharge Capacitor                   | 0.25 uF         | ElectronicSwitch |
| Trigger Current                       | 50 uA           | ElectronicSwitch |
| Repetition Rate                       | 1 pps           | Representative   |
| Trigger Power                         | 0.07 W          | Representative   |

## TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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