



## ELECTRONIC TUBE REFERENCE

8035

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**  
CONSTRUCTION  
**NIXIE**

Cold-cathode decade counting and indicating tube with top-viewed numerical readout and ten separately available output cathodes.

## GENERAL CHARACTERISTICS

|                     |                        |                      |               |
|---------------------|------------------------|----------------------|---------------|
| BASE DESIGNATION    | CONNECTIONS            | BASE PINS            | 13            |
| NOMINAL HEATER      | – / –                  | PARALLEL HEATER      | – / –         |
| HEATING             | Indirect; cold cathode | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes      | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                           |        |
|---------------------------------------------------------------------------|--------|
| <b>SECTION 1</b> Nixie                                                    |        |
| MAXIMUM CATHODE CURRENT                                                   | 0.8 mA |
| <i>Cold-cathode counter tube; count-rate data retained as parameters.</i> |        |

Cold-cathode decade counting and indicating tube with top-viewed numerical readout and output cathodes 0 through 9.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1950 Sylvania

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

1950 SYLVANIA

## Section 1 · Nixie

| OTHER                   |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Input frequency maximum | 50 kpps         | —                |



## 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 · Nixie

| OTHER                        |                 |                                                    |
|------------------------------|-----------------|----------------------------------------------------|
| PARAMETER                    | PUBLISHED VALUE | CONDITION / NOTE                                   |
| Maximum plate/anode voltage  | 900 V           | Published maximum plate/anode voltage              |
| Transfer voltage             | 140 V           | Transfer voltage .... 140 Volts                    |
| (Each pulse)3                | -70 V           | (Each pulse)3 ..... -70 Volts Min.                 |
| Forced Reset pulse Amplitude | -120 V          | Forced Reset pulse Amplitude ..... -120 Volts Min. |
| Cathode Load Resistor4       | 50 kohm         | Cathode Load Resistor4 ..... 50 K-Ohms Max.        |