

ELECTRONIC TUBE REFERENCE

8A8

Voltage Triode Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TRIODE

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 8.4 V / 300 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Dissimilar    |

SECTION RATINGS

|                           |         |
|---------------------------|---------|
| SECTION1 Triode           |         |
| TRANSCONDUCTANCE          | 0.005 S |
| AMPLIFICATION FACTOR      | 20      |
| MAXIMUM PLATE VOLTAGE     | 250 V   |
| MAXIMUM PLATE DISSIPATION | 1.5 W   |
| MAXIMUM CATHODE CURRENT   | 14 mA   |

|                            |          |
|----------------------------|----------|
| SECTION2 Pentode           |          |
| PLATE RESISTANCE           | 400000 Ω |
| TRANSCONDUCTANCE           | 0.0062 S |
| MAXIMUM PLATE VOLTAGE      | 250 V    |
| MAXIMUM PLATE DISSIPATION  | 1.7 W    |
| MAXIMUM SCREEN DISSIPATION | 0.5 W    |
| MAXIMUM CATHODE CURRENT    | 14 mA    |

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1970 Sylvania Technical Manual

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

## 1970 SYLVANIA TECHNICAL MANUAL

## Section 1 · Triode

| OTHER         |                 |                  |
|---------------|-----------------|------------------|
| PARAMETER     | PUBLISHED VALUE | CONDITION / NOTE |
| Plate Voltage | 100 V           | —                |
| Grid Voltage  | -2 V            | —                |
| Plate Current | 14 mA           | —                |

## 1970 SYLVANIA TECHNICAL MANUAL

## Section 2 · Pentode

| OTHER          |                 |                  |
|----------------|-----------------|------------------|
| PARAMETER      | PUBLISHED VALUE | CONDITION / NOTE |
| Plate Voltage  | 170 V           | —                |
| Screen Voltage | 170 V           | —                |
| Grid Voltage   | -2 V            | —                |
| Plate Current  | 10 mA           | —                |
| Screen Current | 2.8 mA          | —                |