ELECTRONIC TUBE REFERENCE

# 5AQP2A

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
**1 SECTION**
CONSTRUCTION
**CATHODERAY**

Five-inch special-purpose instrument CRT with electrostatic focusing and deflection and a P2 blue-green/green long-persistence screen. Its direct-view electrostatic beam system is suited to oscillographic and precision measurement displays.

## General characteristics

| | | | |
|---|---|---|---|
| **BASE DESIGNATION** | — | **BASE PINS** | — |
| **NOMINAL HEATER** | 6.3 V / 600 mA | **PARALLEL HEATER** | — / — |
| **HEATING** | Indirect | **SERIES OPERATION** | Not specified |
| **CATHODE ARRANGEMENT** | Separate cathodes | **SECTION CONSTRUCTION** | Similar |

## Section ratings

**SECTION1** Cathode Ray

| | |
|---|---|
| **MAXIMUM PLATE VOLTAGE** | 4400 V |

*Published Sylvania CRT ratings, focus/deflection conditions, capacitances, cutoff/modulation values, and tolerance data retained where legible.*

Five-inch special-purpose/instrument CRT with electrostatic focus, electrostatic deflection, and P2 phosphor (Blue-green / green afterglow, long persistence).

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 · Cathode Ray

### CHARACTERISTICS

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
|---|---|---|
| Focusing method | **Electrostatic** | — |
| Deflection method | **Electrostatic** | — |
| Heater voltage | **6.3 V** | — |
| Heater current | **600 mA** | — |
| Fluorescence | **Blue-green / green afterglow** | — |
| Persistence | **Long** | — |
| Deflection factor D1-D2 | **40 to 50 V/in** | — |
| Deflection factor D3-D4 | **31.5 to 38.5 V/in** | — |
| Modulation maximum | **40 V** | — |
| Line width maximum | **0.03 in** | — |
| Useful scan minimum | **4 x 4 in** | — |
| Pattern distortion at 100% useful scan maximum | **1 %** | — |

### CONSTRUCTION

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
|---|---|---|
| Phosphor | **P2** | — |
| Faceplate construction | **Clear** | — |

### APPLICATION

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
|---|---|---|
| Application | **Oscilloscope / instrument / special-purpose display** | — |

| OTHER | | |
|---|---|---|
| **PARAMETER** | **PUBLISHED VALUE** | **CONDITION / NOTE** |
| Anode-2 voltage maximum | **4400 V** | — |
| Anode-1 focus voltage maximum | **1650 V** | — |
| Grid-1 negative-bias maximum | **-220 V** | — |
| Grid-1 positive-bias maximum | **0 V** | — |
| Peak heater-cathode voltage maximum heater negative | **200 V** | — |
| Peak heater-cathode voltage maximum heater positive | **200 V** | — |
| Peak anode-2 to deflection-plate voltage maximum | **400 V** | — |
| Typical anode-2 voltage | **2500 V** | — |
| Typical focus voltage range | **0 to 300 V** | — |
| Grid cutoff range | **-34 to -56 V** | — |
| Anode-2 current maximum | **400 uA** | — |
| Grid-1 circuit resistance maximum | **1.5 Mohm** | — |
| Deflection-circuit resistance maximum | **1 Mohm** | — |

## Tube Tinker

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

Catalog Tube types Full books Blog Feedback & corrections

© 2026 Tube Tinker