ELECTRONIC TUBE REFERENCE

# 22CP25

Specialized - Cathode Ray electronic tube

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

Large cathode-ray display tube using a P25 screen with orange very-long-persistence response, magnetic focusing and magnetic deflection, documented by Rauland with a 6.3 V, 0.6 A heater.

## General characteristics

| | | | |
|---|---|---|---|
| **BASE DESIGNATION** | — | **BASE PINS** | 5 |
| **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** | 16000 V |

*CRT accelerator/final-anode maximum mapped to MaxPlateVoltage.*

Twenty-two-inch magnetic-focus, magnetic-deflection round metal-envelope cathode-ray tube for radar applications with a long-persistence screen. Explicit co-designation of 22CP7 on the same approved datasheet.

SOURCE OPERATING CONDITIONS

# 1963 Rauland

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

1963 RAULAND

## Section 1 · Cathode Ray

### OTHER

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
|---|---|---|
| Heater voltage | **6.3 V** | — |
| Heater current | **600 mA** | — |
| Maximum heater-cathode voltage | **180 V** | Heater positive to cathode |

### CHARACTERISTIC

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
|---|---|---|
| Focusing method | **Magnetic** | — |
| Deflection method | **Magnetic** | — |

### CAPACITANCE

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
|---|---|---|
| Cathode to all other electrodes capacitance | **5 pF** | — |
| Grid 1 to all other electrodes capacitance | **6 pF** | — |

Tube Tinker

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