

ELECTRONIC TUBE REFERENCE

7CP7

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION  
CONSTRUCTION  
CATHODERAY

Seven-inch electrostatic-focus, magnetic-deflection CRT with a high-resolution gun and long-persistence P7 screen, intended for oscillographic applications where displayed traces must remain visible after excitation.

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                                                                |
| No fixed ratings recorded.                                                          |
| Promoted fields mapped by printed headings; additional data retained in parameters. |

7-inch electrostatic-focus and magnetic-deflection cathode-ray tube for oscillographic applications requiring long persistence, with a high-resolution gun.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

## 1968 General Electric Co

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

## 1968 GENERAL ELECTRIC CO

## Section 1 · Cathode Ray

| OTHER                                                              |                 |                                                        |
|--------------------------------------------------------------------|-----------------|--------------------------------------------------------|
| PARAMETER                                                          | PUBLISHED VALUE | CONDITION / NOTE                                       |
| Heater Voltage . . . e e e e<br>e e                                | 6.3 V           | Published datasheet line; semantic text-layer recovery |
| Heater Current . . . . .<br>. . . . s . . 0.6+                     | 109 A           | Published datasheet line; semantic text-layer recovery |
| Deflection Angle,<br>approximate. . . . ¢« « ¢<br>= 0 0« « « » »   | 57 deg          | Published datasheet line; semantic text-layer recovery |
| Over-all Length . o « & o «<br>« « o o o o o « o 13-7/16+<br>3/8   | 1 in            | Published datasheet line; semantic text-layer recovery |
| Greatest Bulb Ddiameter . . .<br>. &+ ¢ ¢ + o o @ o o » o 7+<br>1/ | 8 in            | Published datasheet line; semantic text-layer recovery |
| Minimum Useful Screen<br>Diameter . « o . ¢« o o « o<br>¢ o o 6-1/ | 2 in            | Published datasheet line; semantic text-layer recovery |
| Anode Contact Aligns with<br>Pin No. 2 +                           | 10 deg          | Published datasheet line; semantic text-layer recovery |
| Anode Voltage + . ¢« . & o o<br>o 5 o o o =« = 2 o s » + o«<br>«   | 7000 V          | Published datasheet line; semantic text-layer recovery |
| Focusing-Electrode Voltage<br>for Focus . . .« » o 955 to          | 1780 V          | Published datasheet line; semantic text-layer recovery |
| Grid-No 2 V0Itage e @ © ©o<br>© ©o e o e Ll ° e °o © o © =<br>s ®  | 250 V           | Published datasheet line; semantic text-layer recovery |
| Grid-No, 1 Voltage # . . . .<br>« . o « & s o« o =22,5 to =        | -67.5 V         | Published datasheet line; semantic text-layer recovery |
| than 4,                                                            | 0 V             | Published datasheet line; semantic text-layer recovery |