



## ELECTRONIC TUBE REFERENCE

## 5ALP1

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

## 1 SECTION

CONSTRUCTION

CATHODERAY

Five-inch cathode-ray instrument display tube documented by manufacturer data for type 5ALP1, intended for waveform or measurement presentation with purpose-specific phosphor and beam-control characteristics.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 9             |
| NOMINAL HEATER      | 6.3 V / 200 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

## SECTION 1 Cathode Ray

*No fixed ratings recorded.*

*Values promoted only where clearly published for this section in the approved source.*

Five-inch daylight-viewing cathode-ray tube with magnetic focus and deflection.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

## 1938 National Union

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

## 1938 NATIONAL UNION

## Section 1 · Cathode Ray

| CHARACTERISTIC                                    |                 |                                                  |
|---------------------------------------------------|-----------------|--------------------------------------------------|
| PARAMETER                                         | PUBLISHED VALUE | CONDITION / NOTE                                 |
| and produce beam currents of                      | 0.5 ma          | Published source value; see source line context. |
| heater<br>current.c.eistovresmeaanosaorsnsns<br>[ | 200 ma          | Published source value; see source line context. |

| OTHER                                                  |                 |                                                  |
|--------------------------------------------------------|-----------------|--------------------------------------------------|
| PARAMETER                                              | PUBLISHED VALUE | CONDITION / NOTE                                 |
| consumption {                                          | 1.26 watts      | Published source value; see source line context. |
| Published value                                        | 7.5 inches      | Published source value; see source line context. |
| lieater voltage (ac or<br>dc)eaveveanans Cheeietebannn | 6.3 v           | Published source value; see source line context. |
| Anode voltage..iv-va.. Chee e<br>ea s e eren           | 10 Kv           | Published source value; see source line context. |
| Grid voltage<br>(positive).ceiueininin i<br>ianaee     | 1 V             | Published source value; see source line context. |
| Grid<br>resistor...cerrennennanonnnans<br>IR [N        | 1.5 meg         | Published source value; see source line context. |
| Heater valtage.....<br>besiaaaa i ahes e               | 6.3 v           | Published source value; see source line context. |
| Grid cutoff voltage.....<br>Cereer s                   | -50 v           | Published source value; see source line context. |
| Anode voltage.....<br>Sra e e                          | 8 Kv            | Published source value; see source line context. |
|                                                        |                 |                                                  |

| PARAMETER                                               | PUBLISHED VALUE | CONDITION / NOTE                                 |
|---------------------------------------------------------|-----------------|--------------------------------------------------|
| Published value                                         | <b>7.9 in</b>   | Published source value; see source line context. |
| Useful screen<br>diameter.....<br>Ceerrriesaane         | <b>428 in</b>   | Published source value; see source line context. |
| Maximum bulb<br>diameter....,...ccveinanns<br>Ceeaeaaas | <b>5 in</b>     | Published source value; see source line context. |
| Tube neck diameter..... e<br>aera ienaen chae           | <b>87 in</b>    | Published source value; see source line context. |