



## ELECTRONIC TUBE REFERENCE

# CD66A

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**

CONSTRUCTION

**NIXIE**

NEC side-view cold-cathode Nixie displaying digits 0-9 and a decimal point with approximately 16 mm character height.

## GENERAL CHARACTERISTICS

|                     |                        |                      |               |
|---------------------|------------------------|----------------------|---------------|
| BASE DESIGNATION    | —                      | BASE PINS            | 12            |
| NOMINAL HEATER      | — / —                  | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect; cold cathode | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes      | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                 |      |
|-----------------------------------------------------------------------------------------------------------------|------|
| <b>SECTION 1</b> Nixie                                                                                          |      |
| MAXIMUM CATHODE CURRENT                                                                                         | 3 mA |
| <i>Cold-cathode Nixie/display-discharge section. Supply value in source is minimum anode DC supply voltage.</i> |      |

NEC side-view cold-cathode display-discharge tube showing digits 0-9 and decimal point. It has an approximate 16 mm display height. The catalog gives a 170 V minimum anode supply and 1.5-3.0 mA cathode current for the main display. Termination/socket information is Wire-leaded. Catalog lists CD66(A), covering CD66 and CD66A.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 196X Nixie NEC

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

## 196X NIXIE NEC

## Section 1 · Nixie

| DISPLAY              |                              |                  |
|----------------------|------------------------------|------------------|
| PARAMETER            | PUBLISHED VALUE              | CONDITION / NOTE |
| Display content      | Digits 0-9 and decimal point | —                |
| Viewing orientation  | side                         | —                |
| Display construction | side-view                    | —                |

| OTHER                         |                 |                         |
|-------------------------------|-----------------|-------------------------|
| PARAMETER                     | PUBLISHED VALUE | CONDITION / NOTE        |
| Display height                | 16 mm           | —                       |
| Overall length maximum        | 47.6 mm         | —                       |
| Bulb size maximum             | 19 mm           | —                       |
| Lead length minimum           | 33 mm           | —                       |
| Anode supply voltage minimum  | 170— Vdc        | Minimum DC anode supply |
| Cathode current               | 1.5–3 mA        | Digits 0-9              |
| Decimal-point cathode current | 0.3–0.7 mA      | Decimal point           |

| BASE                  |                 |                  |
|-----------------------|-----------------|------------------|
| PARAMETER             | PUBLISHED VALUE | CONDITION / NOTE |
| Socket or termination | Wire-leaded     | —                |

## TUBE TINKER

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and their source documents.

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