

ELECTRONIC TUBE REFERENCE

ZM1570

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION  
CONSTRUCTION  
NIXIE

Philips cold-cathode gas-discharge indicator designed for numerical, sign, or segmented display service.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

|                                                                                 |       |
|---------------------------------------------------------------------------------|-------|
| SECTION1 Nixie                                                                  |       |
| MAXIMUM CATHODE CURRENT                                                         | 3 mA  |
| STARTING VOLTAGE                                                                | 165 V |
| MAINTAINING VOLTAGE                                                             | 120 V |
| Electrical section values extracted from published ratings and characteristics. |       |

Philips cold-cathode gas-filled indicator tube for numerical, sign, or segmented display service.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1999 Philips E-Z

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

1999 PHILIPS E-Z

## Section 1 · Nixie

| OTHER                                                       |                 |                                                             |
|-------------------------------------------------------------|-----------------|-------------------------------------------------------------|
| PARAMETER                                                   | PUBLISHED VALUE | CONDITION / NOTE                                            |
| suitable for direct drive with 30 V ICs; fast ignition type | <b>30 V</b>     | suitable for direct drive with 30 V ICs; fast ignition type |

| CHARACTERISTIC                                                                                 |                 |                                                                                                |
|------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------|
| PARAMETER                                                                                      | PUBLISHED VALUE | CONDITION / NOTE                                                                               |
| The tube is identical to ZM1550 but contains 150 nCi promethium 147. The ignition delay (first | <b>147</b>      | The tube is identical to ZM1550 but contains 150 nCi promethium 147. The ignition delay (first |

## TUBE TINKER

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

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