



ELECTRONIC TUBE REFERENCE

GR10W

Nixie electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

NIXIE

Gas-filled cold-cathode Nixie numerical indicator designed to display decimal digits by selective glow discharge of shaped cathodes.

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 PLATE VOLTAGE                                                                                                    | 20 V |
| MAXIMUM CATHODE CURRENT                                                                                                  | 4 mA |
| Applicable published ratings promoted; switching, display, trigger and regulator characteristics retained as parameters. |      |

GR10W is a cold-cathode numerical indicator, classified as Nixie for this batch. The supplied sheet provides electrical operating/rating data and display information.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 196X Ericsson Telephones Ltd

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

196X ERICSSON TELEPHONES LTD

## Section 1 · Nixie

| CHARACTERISTICS           |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Minimum breakdown voltage | 20 V            | —                |
| Nominal/running voltage   | 160 V           | —                |
| Display orientation       | Side-viewing    | —                |

| OTHER                         |                 |                  |
|-------------------------------|-----------------|------------------|
| PARAMETER                     | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum cathode/anode current | 4 mA            | —                |



## SOURCE OPERATING CONDITIONS

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# 196X Nixie Random Datasheets

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

196X NIXIE RANDOM DATASHEETS

## Section 1 · Nixie

| OTHER                   |                 |                           |
|-------------------------|-----------------|---------------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE          |
| Maximum Cathode Current | 4 mA            | Published datasheet value |



# 1971 Nixie RFT

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

1971 NIXIE RFT  
Section 1 · Nixie

| CHARACTERISTIC           |                 |                            |
|--------------------------|-----------------|----------------------------|
| PARAMETER                | PUBLISHED VALUE | CONDITION / NOTE           |
| Anode Ignition Voltage   | 150 V           | Comparable RFT type Z5700M |
| Anode Burning Voltage    | 140 V           | Comparable RFT type Z5700M |
| Anode Extinction Voltage | 120 V           | Comparable RFT type Z5700M |

| OTHER                       |                 |                            |
|-----------------------------|-----------------|----------------------------|
| PARAMETER                   | PUBLISHED VALUE | CONDITION / NOTE           |
| Minimum Cathode Current     | 1.5 mA          | Comparable RFT type Z5700M |
| Maximum Cathode Current     | 2.5 mA          | Comparable RFT type Z5700M |
| Peak Cathode Current        | 12 mA           | Comparable RFT type Z5700M |
| Minimum Ambient Temperature | -50 degC        | Comparable RFT type Z5700M |
| Maximum Ambient Temperature | 70 degC         | Comparable RFT type Z5700M |
| Symbol Height               | 13 mm           | Comparable RFT type Z5700M |
| Maximum Viewing Distance    | 8 m             | Comparable RFT type Z5700M |
| Maximum Bulb Height         | 47.6 mm         | Comparable RFT type Z5700M |
| Maximum Bulb Diameter       | 19 mm           | Comparable RFT type Z5700M |

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