

# Dieter's Nixie Tube Data Archive

This file is a part of Dieter's Nixie- and display tubes data archive

If you have more datasheets, articles, books, pictures or other information about Nixie tubes or other display devices please let me know.

Thank you!

|                                  |                           |
|----------------------------------|---------------------------|
| Document in this file            | ETL datasheet: GR10G tube |
| Display devices in this document | GR10G                     |

**\*DIGITRON-10 Digit Side-Viewing  
Cold-Cathode Numerical Register Tube**

**GR10G**

**Limit Ratings**

|                                               |       |
|-----------------------------------------------|-------|
| Maximum cathode current                       | 9 mA  |
| Minimum voltage necessary to ensure breakdown | 220 V |

**Characteristics**

|                                                                                                       |       |
|-------------------------------------------------------------------------------------------------------|-------|
| Nominal running voltage                                                                               | 180 V |
| A cathode left floating will assume some potential between that of the anode and the glowing cathode. |       |

**Recommended Operating Conditions**

Under the recommended D.C. operating conditions with the characters switched sequentially every 24 hours, an average life of 5,000 hours can be expected.

**D.C. operation**

|                                          |       |
|------------------------------------------|-------|
| Anode supply voltage — $R_a = 10k\Omega$ | 250 V |
|------------------------------------------|-------|

**A.C. operation**

(Unsmoothed half-wave rectified 50 c.p.s. A.C.)

|                                          |                  |
|------------------------------------------|------------------|
| Anode supply voltage — $R_a = 12k\Omega$ | 200-220 V r.m.s. |
| $R_a = 18k\Omega$                        | 220-250 V r.m.s. |

|                               |               |
|-------------------------------|---------------|
| Cathode 1 equalizing resistor | 8.2k $\Omega$ |
| Cathode 7 equalizing resistor | 4.7k $\Omega$ |

\* Registered Trade Mark



## DIGITRON-10 Digit Side-Viewing Cold-Cathode Numerical Register Tube

### Mechanical Data

Mounting position

Any

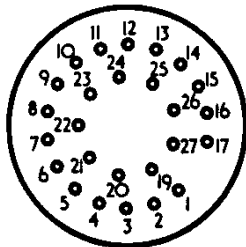
Base

B26A

Socket

B17, B26A or B27A

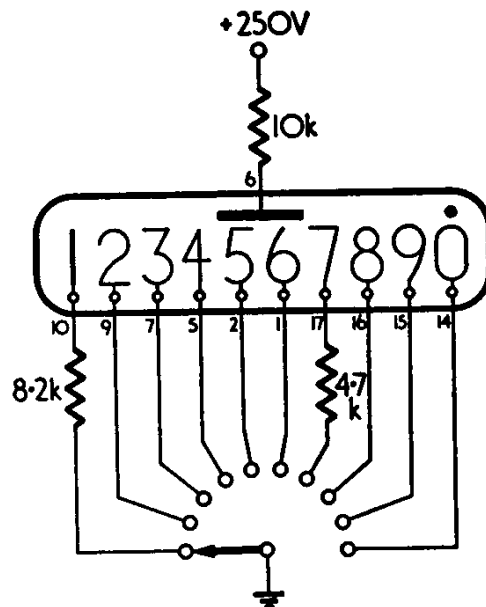
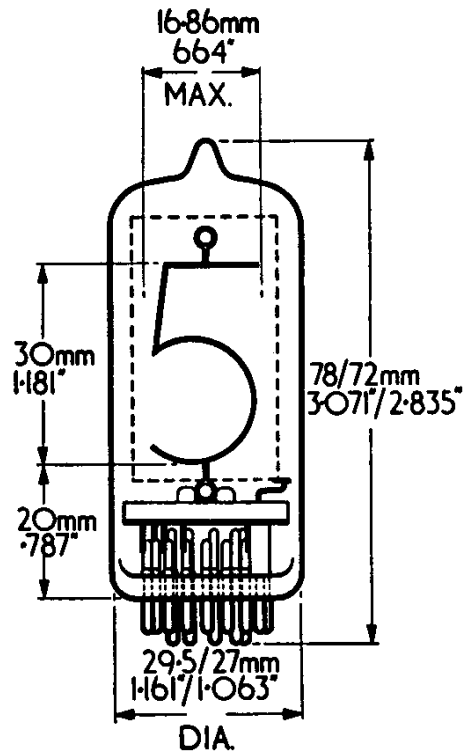
Base Connections  
(underside view)



FRONT

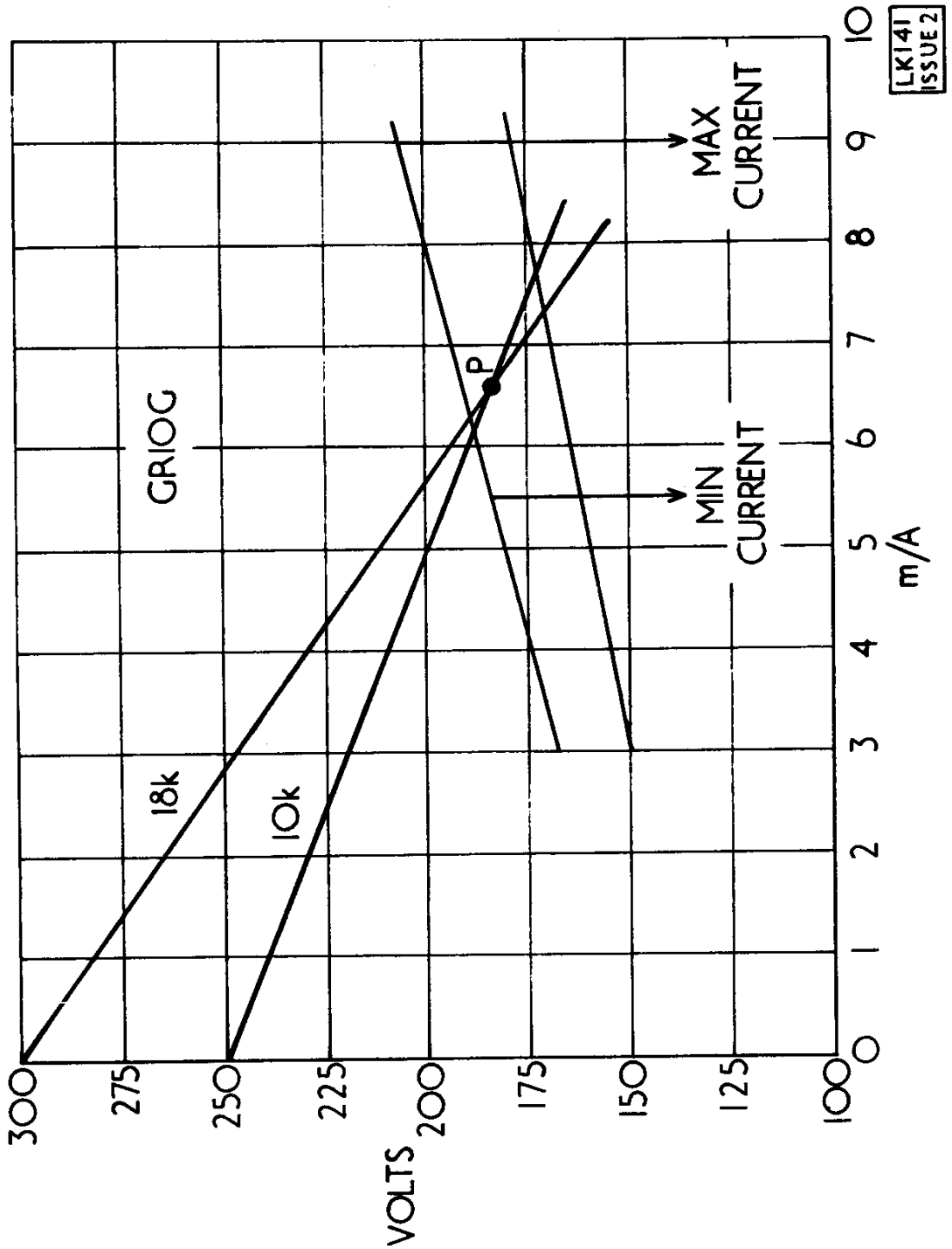
- |       |           |
|-------|-----------|
| Pin 1 | Cathode 6 |
| 2     | Cathode 5 |
| 5     | Cathode 4 |
| 6     | Anode     |
| 7     | Cathode 3 |
| 9     | Cathode 2 |
| 10    | Cathode 1 |
| 14    | Cathode 0 |
| 15    | Cathode 9 |
| 16    | Cathode 8 |
| 17    | Cathode 7 |

Note—All other pins are to be left unconnected.



# \*DIGITRON — 10 Digit Side-Viewing Cold-Cathode Numerical Register Tube

## GR10G



LK141  
ISSUE 2

Operating Characteristics

\*Registered Trade Mark

