

# **\*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



# GR10G

MAINTENANCE TYPE ONLY

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

### Mechanical Data

Mounting position

Base

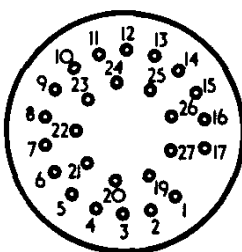
Socket

Any

B26A

B17, B26A or B27A

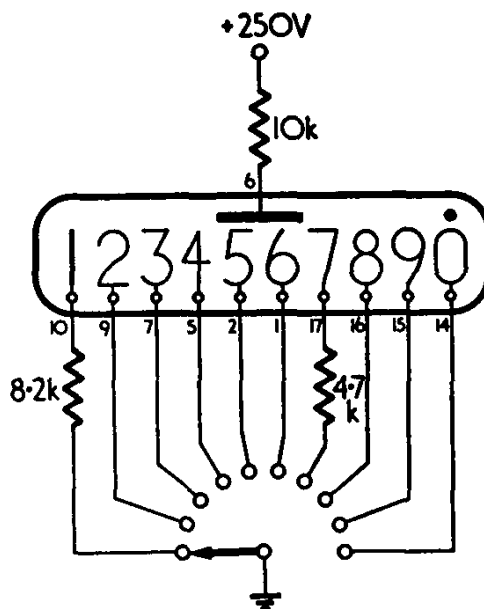
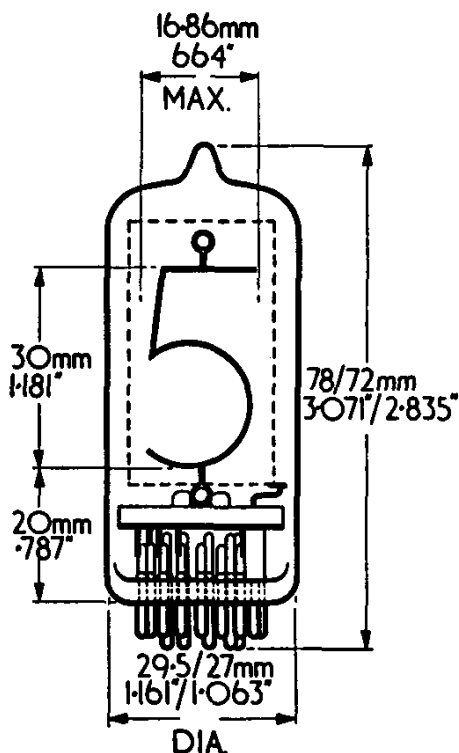
Base Connections  
(underside view)



FRONT

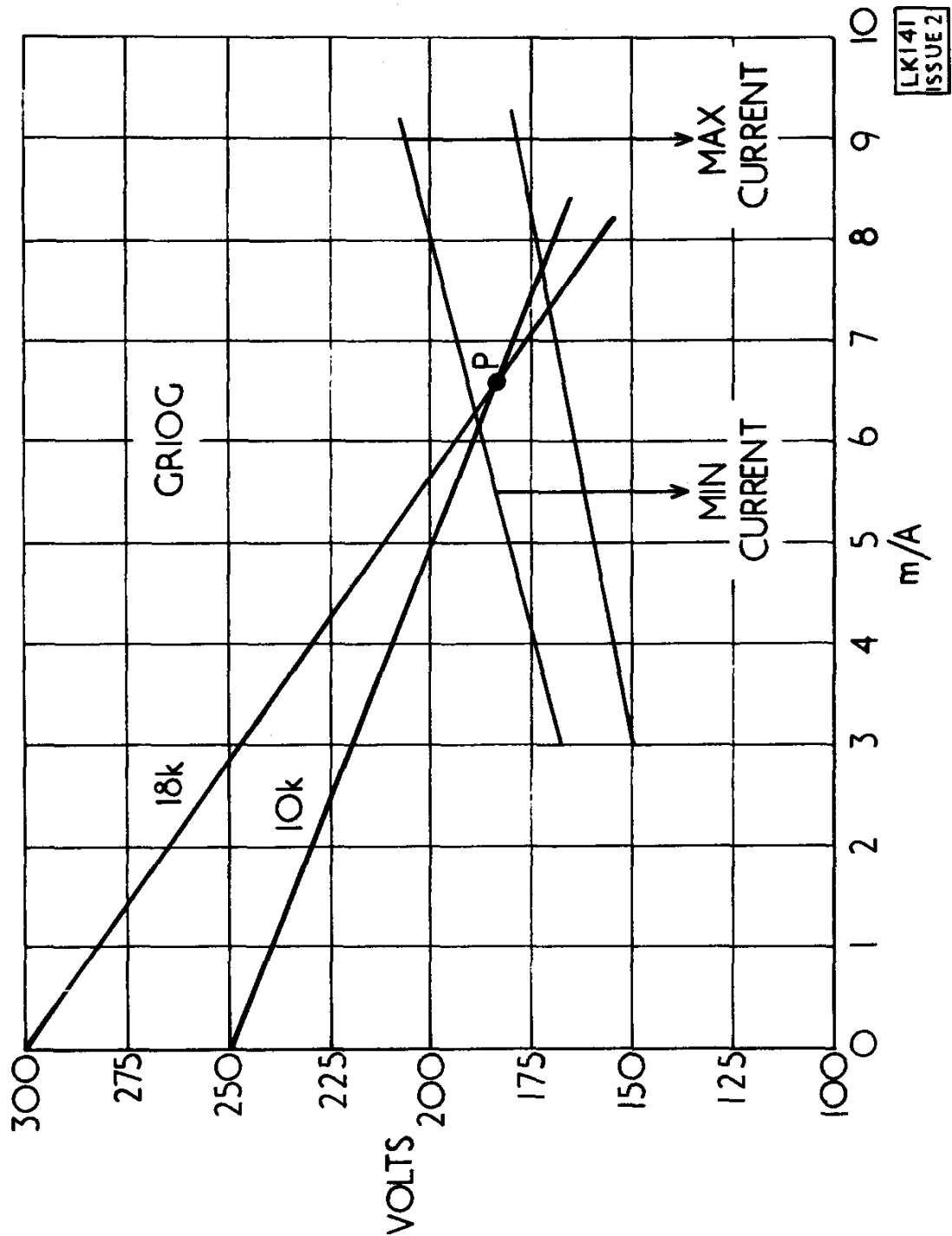
|     |    |           |
|-----|----|-----------|
| Pin | 1  | Cathode 6 |
|     | 2  | Cathode 5 |
|     | 5  | Cathode 4 |
|     | 6  | Anode     |
|     | 7  | Cathode 3 |
|     | 9  | Cathode 2 |
|     | 10 | Cathode 1 |
|     | 14 | Cathode 0 |
|     | 15 | Cathode 9 |
|     | 16 | Cathode 8 |
|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

Note—All other pins are to be left unconnected.



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Operating Characteristics

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