

# \*DIGITRON—10 Digit Side-Viewing Miniature Cold-Cathode Numerical Register Tube, with flying leads **GR10W**

## Limit Ratings

|   |       |
|---|-------|
| Maximum cathode current                       | 4 mA  |
| Minimum voltage necessary to ensure breakdown | 220 V |

## Characteristics

|   |       |
|---|-------|
| Nominal running voltage   | 160 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 ~~3,000~~ <sup>2,000</sup> hours can be expected.

### D.C. operation

Anode supply voltage —  $R_a = 18k\Omega$  220 V

### A.C. operation

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

Anode supply voltage —  $R_a = 27k\Omega$  200-220 V r.m.s.  
 $R_a = 47k\Omega$  220-250 V r.m.s.

\* Registered Trade Mark



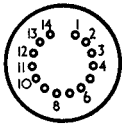
# GR10W DIGITRON—10 Digit Side-Viewing Miniature Cold-Cathode Numerical Register Tube, with flying leads

## Mechanical Data

Mounting position  
Base

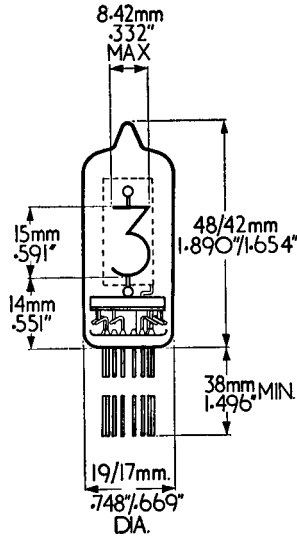
Any  
Flying lead

Base Connections  
(underside view)

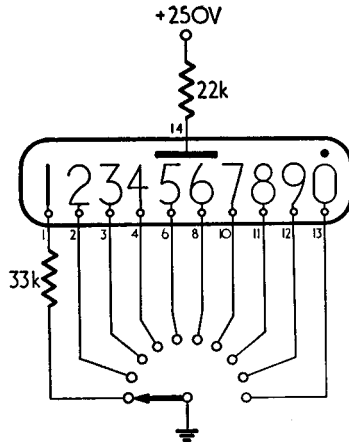


FRONT

- |      |    |           |
|------|----|-----------|
| Lead | 1  | Cathode 1 |
|      | 2  | Cathode 2 |
|      | 3  | Cathode 3 |
|      | 4  | Cathode 4 |
|      | 5  | Omitted   |
|      | 6  | Cathode 5 |
|      | 7  | Omitted   |
| Lead | 8  | Cathode 6 |
|      | 9  | Omitted   |
|      | 10 | Cathode 7 |
|      | 11 | Cathode 8 |
|      | 12 | Cathode 9 |
|      | 13 | Cathode 0 |
|      | 14 | Anode     |

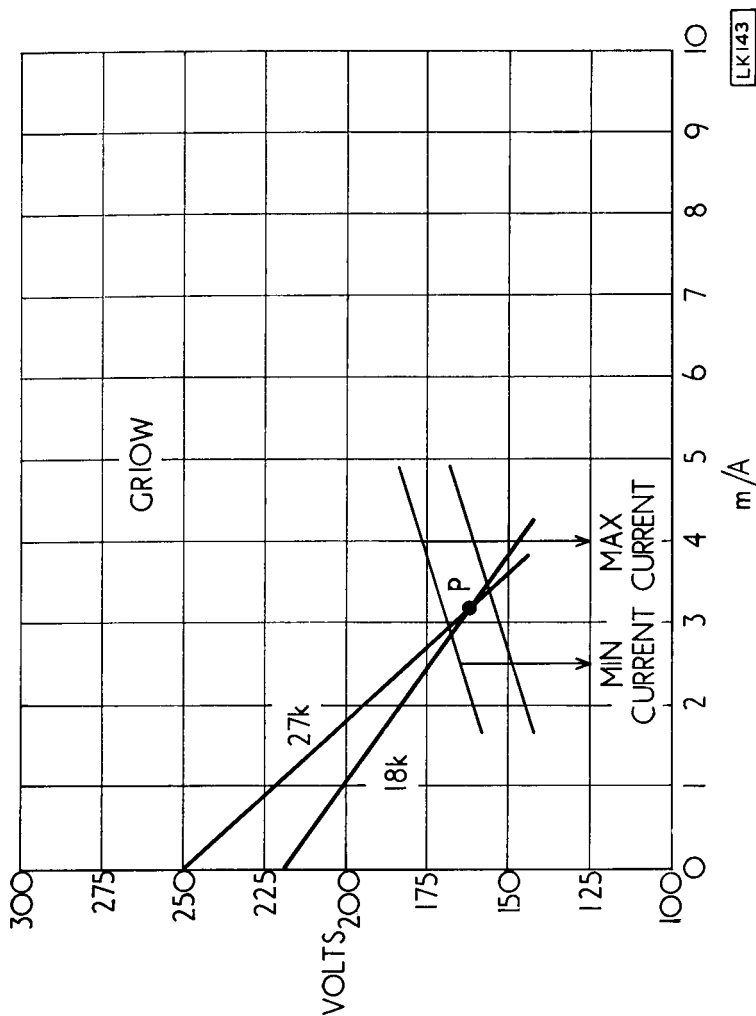


N.B.—To prevent damage to the tube, the leads should not be soldered or bent nearer than 5 mm ( $\frac{1}{4}$ " ) from the glass seal.



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Operating Characteristics

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