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: GR10J tube
Display devices in this document	GR10J

*DIGITRON - Long Life 10 Digit Side-Viewing Cold-Cathode Numerical Register Tube   GR10J

Limit Ratings

Maximum cathode current   4 mA
Minimum voltage necessary to ensure breakdown   150 V

Characteristics

Nominal running voltage   145 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 10,000 hours can
be expected.
D.C. operation
Anode supply voltage Ra = 33kΩ 250 V
A.C. operation
(Unsmoothed half-wave rectifier 50 c.p.s. a.c.)
Anode supply voltage - Ra = 39kΩ 200-220V r.m.s.
                                    Ra = 47kΩ 220-250V r.m.s.

Filters

For many applications the use of a light filter may be
advantageous. 'Circular polarized' filters (Type HNCP,
supplied by Polarizers (U.K.) Ltd., 28, Stamford Street,
London, S.E. 1) eliminate reflected light and improve
contrast. Coloured filters of glass, Perspex or Gelatine
can also be used to advantage, amber or red tinted filt-
ers making Long Life Digitrons appear identical with
other Digitrons.

*Registered Trade Mark

GR10J

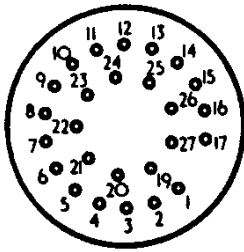### DIGITRON - Long Life 10 Digit Side-Viewing Cold-Cathode Numerical Register Tube

Mechanical Data

Mounting position	Any
Base	B26A
Socket	B17A, B26A or B27A

Base Connections
(underside view)

FRONT

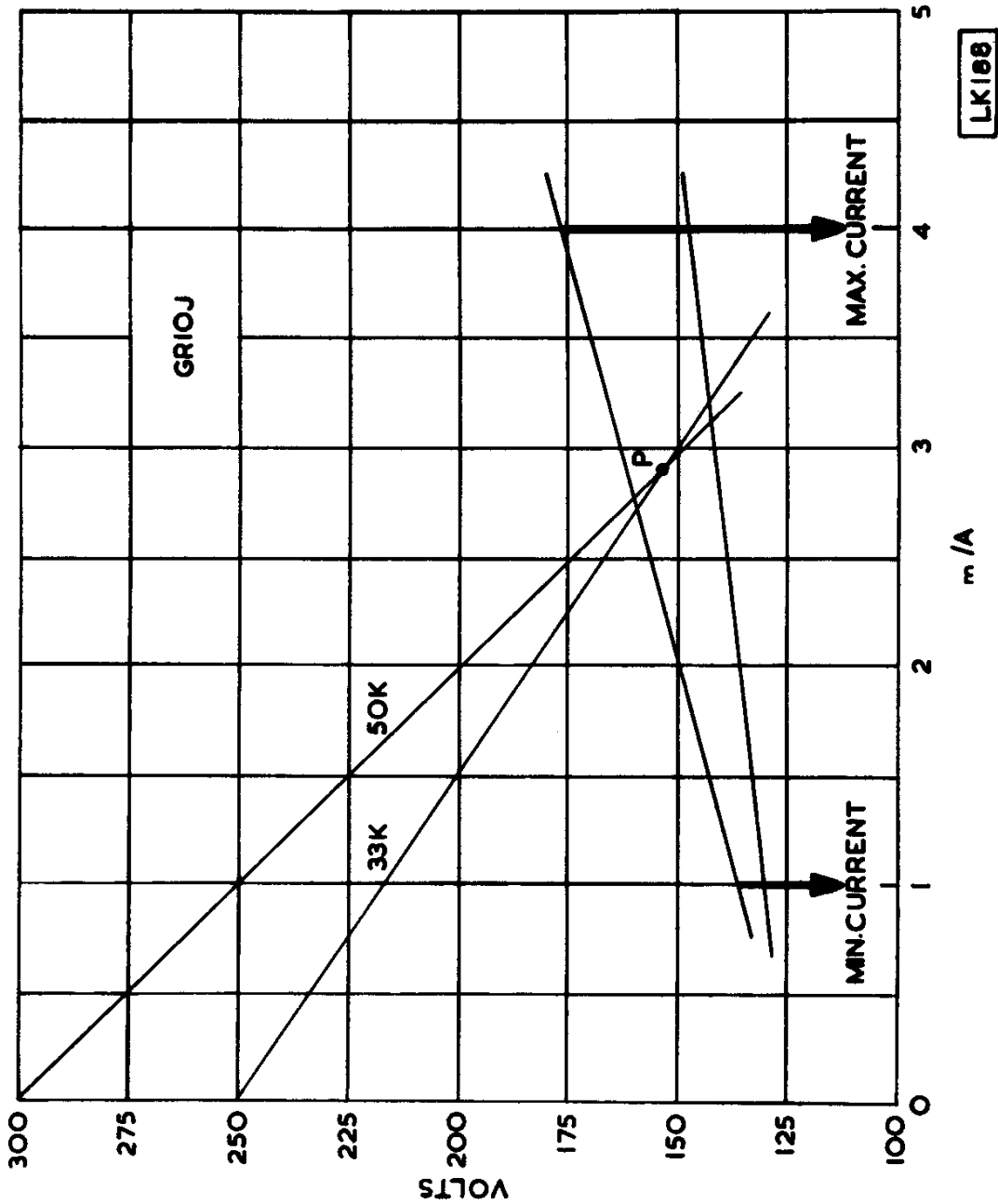| Pin	1	Cathode 6
	2	Cathode 5
	5	Cathode 4
	6	Anode
	7	Cathode 3
	9	Cathode 2
	10	Cathode 1
	14	Cathode 0
	15	Cathode 9
	16	Cathode 8
	17	Cathode 7
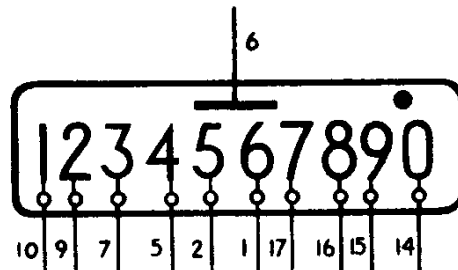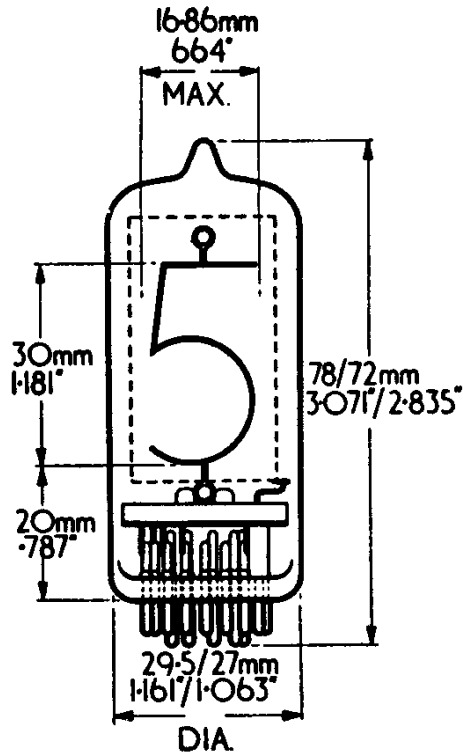
Note: All other pins are
to be left unconnected.

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

GR10J

Operating Characteristics

* Registered Trade Mark