

Dieter's Nixie Tube Data Archive

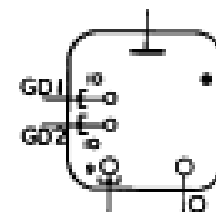
This file is a part of Dieter's Nixie- and display tubes data archive

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: GC10B, GC10B/S, CV2271 tubes |
| Display devices in this document | GC10B, GC10B/S, CV2271 |

(Specification for GC10B/S—CV.2271)



Characteristics

Counting rate : Sine wave and rectangular pulse drive circuits 0—4000 ppS

Running voltage at 300 μ A { GC10B/S 191 \pm 5 V
GC10B 191 \pm 6 V

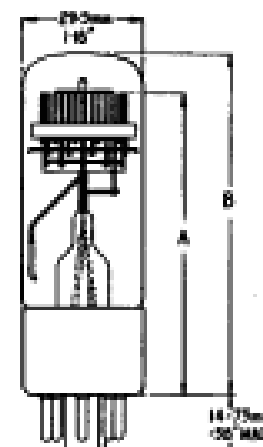
Limit Ratings

Maximum total anode current 550 μ A

Minimum total anode current 250 μ A

Minimum supply voltage, anode to cathode (normal room illumination) 350 V

Maximum potential difference between guides and cathodes 140 V



Recommended Operating Conditions

Anode current 310 μ A \pm 20%

Output cathode load 150 k Ω 100 k Ω

Bias on output cathode —20 V —20 V

Resultant pulse 40 V 25 V

| Dimension | Nominal | GC10B | | GC10B/S | |
|-----------|------------------|----------|----------|----------|----------|
| | | Min. | Max. | Min. | Max. |
| A | 72.5 mm. (2.85") | 68.5 mm. | 76.5 mm. | 69.5 mm. | 75.5 mm. |
| B | 85 mm. (3.35") | 81.5 mm. | 88.5 mm. | 82.5 mm. | 87.5 mm. |

The required anode current may be obtained from a 475 V supply via an 820 k Ω resistor.

Mounting position Any.
For visual indication the tube is viewed through the dome of the bulb.

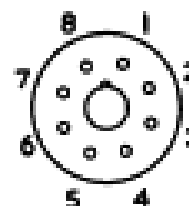
Alignment Cathode "O" is lined up with pin No. 6 to an accuracy of \pm 12°.

Weight 43 g. (nominal)

Escutcheons N.78211 Bakelite, or N.79368 Brass.

Base : International octal

Base Connections (Underside view)



- Pin 1 Common cathodes
- 2 —
- 3 1st Guides
- 4 Anode
- 5 2nd Guides
- 6 —
- 7 Cathode "O"
- 8 —