

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: GS10C/S (CV2325) tube
Display devices in this document	GS10C/S, CV2325

Limit Ratings

Maximum counting rate: sine wave and rectangular pulses	4,000 p.p.s.
Maximum total anode current	550 μ A
Minimum total anode current	250 μ A
Minimum anode supply voltage (normal room illumination)	400 V
Maximum potential difference between cathodes and guides	140 V
Maximum output cathode load	150 k Ω
Maximum output available at 4 kc/s with a 150 k Ω cathode load resistor	35 V

Characteristics

Running voltage at 325 μ A	192 V approx.
--------------------------------	---------------

Recommended Operating Conditions

*Anode current	325 μ A \pm 20%
**Guide bias	+36 V
Forced resetting pulse	-120 V
Double pulse drive-amplitude	-80 V \pm 10 V
Double pulse drive-durations	60 μ S
Integrated pulse drive-amplitude	-145 V \pm 15 V
Integrated pulse drive-duration	80 μ S
Sine wave drive-amplitude	40-70 V r.m.s.

* The required anode current may be obtained from a 475 V supply via a 680 k Ω resistor.

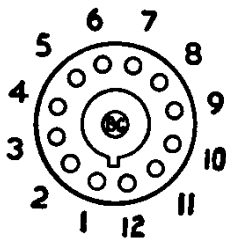
** This does not apply in the case of the sine wave drive.



Mechanical Data

Mounting position	Any. For visual indication the tube is viewed through the dome of the bulb.
Alignment	Cathode No. 1 is aligned with pin No. 11 to an accuracy of $\pm 12^\circ$.
Weight	53 g. (nominal).
Escutcheon	N.80977
Base	Duodecal with bottom cap.

Base Connections
(underside view)



Pin 1	Cathode 0
2	" 9
3	" 8
4	" 7
5	" 6
6	" 5
7	" 4
8	" 3
9	" 2
10	" 1
11	2nd Guides
12	1st Guides
B.C.	Anode

