# 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 |

File created by Dieter Waechter
www.tube-tester.com

# Bi-directional 10-way Selector Tube

# GS10C/S
(CV.2325)

## Limit Ratings

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

## Characteristics

| | |
|---|---|
| Running voltage at 325 μA | 192 V approx. |

## Recommended Operating Conditions

| | |
|---|---|
| *Anode current | 325 μA ± 20% |
| **Guide bias | +36 V |
| Forced resetting pulse | —120 V |
| Double pulse drive-amplitude | —80 V ± 10 V |
| Double pulse drive-durations | 60 μS |
| Integrated pulse drive-amplitude | —145 V ± 15 V |
| Integrated pulse drive-duration | 80 μS |
| 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 kΩ resistor.

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

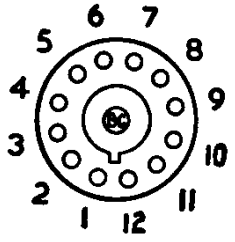
# GS10C/S
(CV.2325)

# Bi-directional 10-way Selector Tube

## Mechanical Data

| | |
|---|---|
| Mounting position | Any.<br>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 ± 12°. |
| 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 |