

# 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            | Philips Datasheet – Pandicon tubes – Dated October 1973 |
| Display devices in this document | ZM1200, ZM1202, ZM1204, ZM1206                          |

## PANDICON\* INDICATOR TUBE

Long-life, multiple cold-cathode, gas-filled indicator tube for in-line numerical display applications requiring a large number of digits (up to 14) to be displayed on a minimum of space, e.g. in electronic desk-top calculators. To facilitate the reading of large numbers, punctuation marks can be made to appear at suitable places.

| QUICK REFERENCE DATA |  |                                    |
|----------------------|--|------------------------------------|
| Numerals height      |  | 10 mm                              |
| Numerals             |  | 0 1 2 3 4 5 6 7 8 9                |
| Number of decades    | ZM1200:14;ZM1202:12;ZM1204:10;ZM1206:8 |                                    |
| Decimal points       |  | to the lower right of the numerals |
| Punctuation marks    |  | to the upper right of the numerals |
| Decade pitch         |  | 10 mm                              |
| Supply voltage, peak | $V_{bap}$                              | 190 V                              |
| Anode current, peak  | $I_{ap}$                               | 9 mA                               |

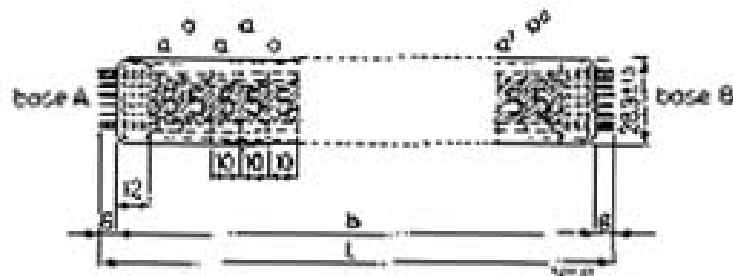
## GENERAL

The numerals are 10 mm high and appear on the same base-line allowing in-line read-out.

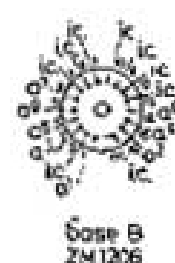
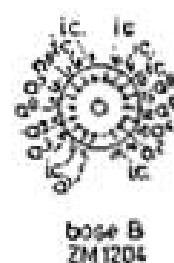
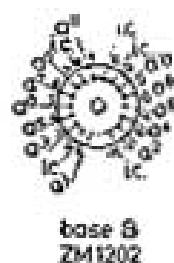
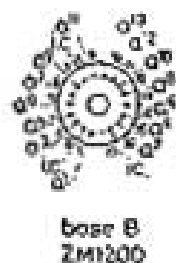
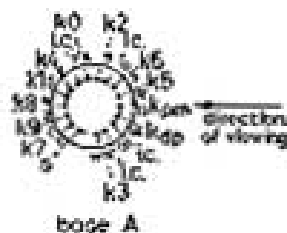
## DIMENSIONS AND CONNECTIONS

Dimensions in mm

Base : 17 pin all-glass; pitch circle 18,3 mm  $\phi$ ; pin length 6 mm; pin diameter 0,9 mm  
Socket: type number 55708 or type number 35709 (printed wiring).



|        | b     | $l_{max}$ |
|--------|-------|-----------|
| ZM1200 | 166,5 | 180       |
| ZM1202 | 146,5 | 160       |
| ZM1204 | 126,5 | 140       |
| ZM1206 | 106,5 | 120       |



No undue stress should be placed on the base pins.

Pumping stem: length max. 4,7 mm, diameter max. 5,0 mm.

\* Registered Trade Mark for multiple indicator tubes.