

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	Reflector (Sovtek) - IN-8 and IN-8-2 tubes A collection of different self made datasheets
Display devices in this document	IN-8 (ИИ-8), IN-8-2 (ИИ-8-2)

IN-8-2 NIXIE TUBE

IN-8-2 is cold cathode neon gas discharge indicator intended to display Arabic digits in a shape of "0 1 2 3 4 5 6 7 8 9" and dot on the right bottom corner.

Digit size is approx 18x12mm (H,W). There are normal "5" (not an upside down "2").

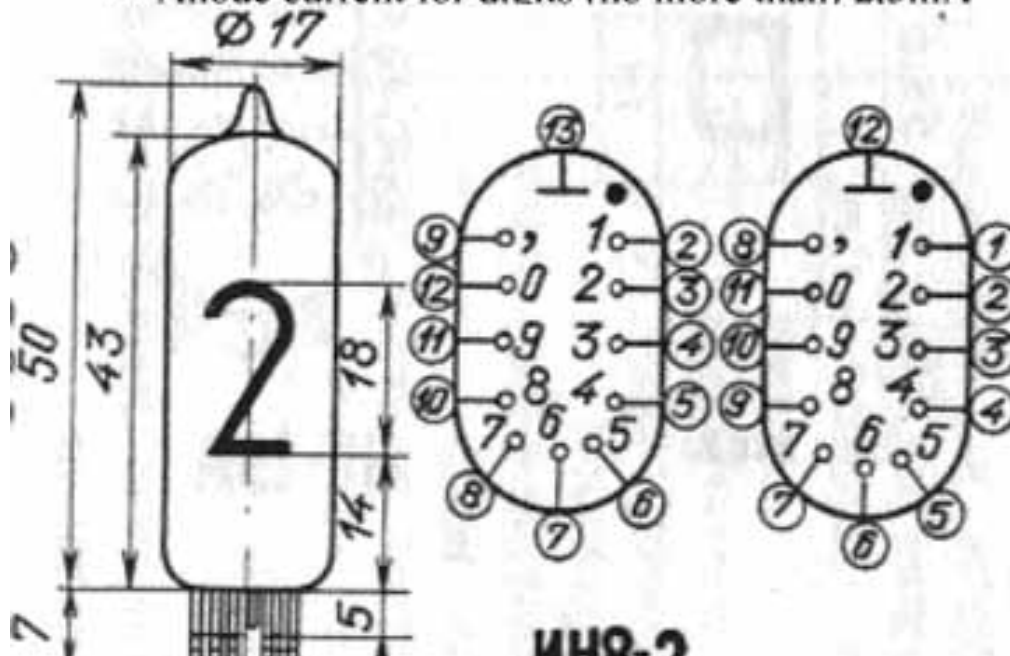
Tube has long, versatile, directly solderable wires.

Short summary:

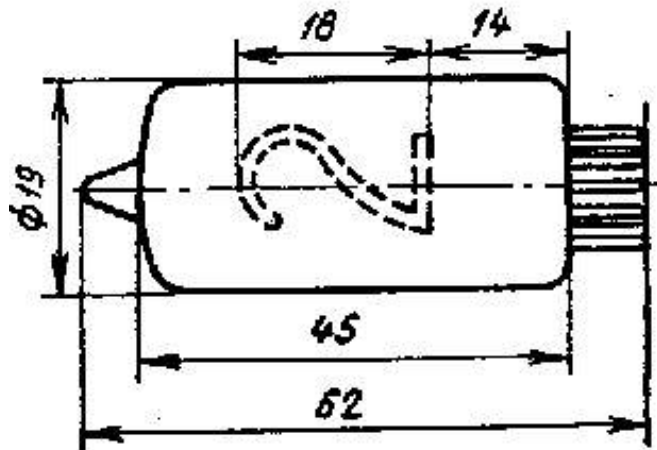
Firing voltage (no more than)	170V
Keep-up voltage	100V
Working current (digits)	2,5-4,5mA
Working current (dot)	0,3-0,7mA
Weight	12g
Length (tube)	55mm
Length (wires)	70mm
Diameter (tube)	19mm
Longevity (no less than)	10.000 hours*

* If following values are not exceeded:

- Voltage (no more than) 200V
- Anode current for digits (no more than) 2.5mA



ИИ-8, ИИ-8-2 Mass 13g



Plates-figures (0-9)in the ИИ-8
figures (0-9) and comma in the ИИ-8-2

The pins of electrodes ИИ-8

- 1-figure 1
- 2-figure 2
- 3-figure 3
- 4-figure 4
- 5-figure 5
- 6-figure 6
- 7-figure 7
- 8-figure 8
- 9-figure 9
- 10-figure 0
- 11-plate

The pins of electrodes ИИ-8-2

- 1- is not connected
- 2-figure 1
- 3-figure 2
- 4-figure 3
- 5-figure 4
- 6-figure 5
- 7-figure 6
- 8-figure 7
- 9- comma
- 10-figure 8
- 11-figure 9
- 12-figure 0
- 13-plate

Technical specifications:

Brightness $\geq 100 \text{Kd/m}^2$

Power supply voltage $\geq 200 \text{V}$

Voltage of the indication :

of figures $\leq 2,5 \text{mA}$

of comma $\leq 0.3 \text{mA}$

Lighting voltage $\leq 170 \text{V}$

Operating voltage $\leq 150 \text{V}$

The operation voltage

of figures 2.5-3.5mA

of comma 0.3-0.7mA

from the supplier of pulse voltage with frequency 50Hz 1mA

Capacity of work $\geq 10\ 000 \text{hours}$