

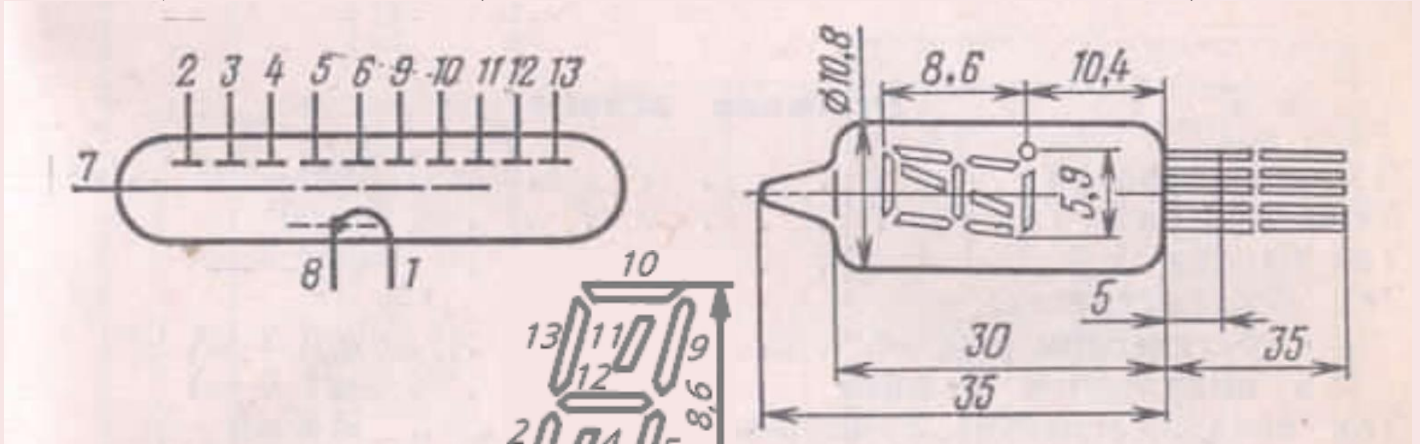
# IV-3

Vacuum fluorescent indicator for displaying information in the form of numbers, letters, and a dot.

Design - super-compact glass device. The display shows information through the side surface of the indicator.

Character size: 5,9x8,6mm. The digit is formed by glowing segment anodes. Glow Color: green. Weight: 7g.

Leads\*: 1 - Cathode; 2-6, 9-13 - Anode-Segments; 7 - Grid; 8 - Cathode, conductive layer on the inner surface of the cylinder.



## Electrical Data

Brightness	.	.	.	.	.	.	.	.	.	300-500 cd /m <sup>2</sup>
Viewing Angle	.	.	.	.	.	.	.	.	.	≥80°
Filament Voltage	.	.	.	.	.	.	.	.	.	0,85±0,15 V
Filament Current	.	.	.	.	.	.	.	.	.	50±5 mA
Anode Segment current:										
Static Mode	.	.	.	.	.	.	.	.	.	≤0,3 mA
Pulse Mode	.	.	.	.	.	.	.	.	.	≤1,6 mA
Anode Current	.	.	.	.	.	.	.	.	.	≤2 mA
Grid Current:										
Static Mode	.	.	.	.	.	.	.	.	.	≤12 mA
Pulse Mode	.	.	.	.	.	.	.	.	.	≤35mA
Anode Segment and Grid Voltage:										
Static Mode	.	.	.	.	.	.	.	.	.	20-30V
Pulse Mode	.	.	.	.	.	.	.	.	.	50-70V
Operating Time	.	.	.	.	.	.	.	.	.	≥3000hrs

Note. In order to show numbers and letters, it is recommended to connect anode leads as follows\*\*: number 1 - 5, 8, 11; number 2 - 3, 4, 10, 11, 13; number 3 - 3, 5, 9, 10, 12; number 4 - 5, 9, 12, 13; number 5 - 3, 5, 10, 12, 13; number 6 - 2, 3, 5, 10, 12, 13; number 7 - 4, 10, 11; number 8 - 2, 3, 5, 9, 10, 12, 13; number 9 - 3, 5, 9, 10, 12, 13; number 0 - 2, 3, 5, 9, 10, 13; dot - 6; letter A - 2, 5, 9, 10, 12, 13; letter b - 2, 3, 5, 12, 13;

letter C - 2, 3, 10, 13; letter d - 2, 3, 5, 9, 12; letter E - 2, 3, 10, 12, 13; letter F - 2, 9, 10, 12, 13 \*(Lead numbering counts clockwise after the short lead - bottom view) \*\*(9 segment version - for 7 segment the combinations are different and leads 4, 11 are internally disconnected)

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Original Datasheet Provided by Spark Tubes at [spark-tube.com](http://spark-tube.com)

Translated by 64bittz. For corrections and/or suggestions contact the site owner.

Lead to segment connection image provided by TimeWithArduino [here](#)