

Made by Reflector Plant in 80's Soviet era.

Unique old technologies, amazing brightness and durability, thick glass.

It's very good for your nixie clock original design.

data

1, 2	CATHODE
3	GRID Of The 1st LINE
4	ELEMENTS OF The 1st COLUMN
5	GRID Of The 2nd LINE
6	ELEMENTS OF The 2nd COLUMN
7	GRID Of The 3rd LINE
8	ELEMENTS OF The 3rd COLUMN
9	GRID Of The 4th LINE
10	GRID Of The 5th LINE
11	ELEMENTS OF The 7th COLUMN
12	GRID Of The 6th LINE
13	ELEMENTS OF The 6th COLUMN
14	GRID Of The 7th LINE
15	ELEMENTS OF The 5th COLUMN
16	GRID Of The 8th LINE
17	ELEMENTS OF The 4th COLUMN
18	GRID Of The 9th LINE
19, 20	CATHODE, CONDUCTIVE LAYER Of The INTERNAL SURFACE OF BALLOON

Vacuum luminescent matrix indicator green-blue light with filamentary cathode in a flat glass design, meant to display information: numbers, letters, symbols.

OPERATION MODES

Parameter, unit of measurement		minimum	Norm	Norm
			nominal	maximum
Voltage Of Filament V	Uf	4	4,5	5
Pulse Voltage Of Elements V		40	50	60
Pulse Voltage Of Grids V	Ug lock	20	20	25
Voltage Of The Lock On Grid V	Ug	-5	-6	-8
Porosity	Q		10	

BASIC ELECTRICAL AND LIGHTING ENGINEERING PARAMETERS

Pulse current of elements of one column, mA	I el. pulse		42
Pulse current of grid of one column, mA	Ig pulse		15
Brightness, kd/m ²		400	
Nonuniformity (Irregularity)	H _L	-50	+50

Operating instructions

1. It's not recommended to operate the indicator when powered heater circuit constant current. Power of heater circuit is preferable to AC from the transformer with the midpoint, serving the common point of the cathode output
2. The frequency of commutating voltage should be such to avoid flickering images.
3. At voltage for the full removal of the glow of elements to fed to the grid locking negative potential of at least 6,0 V
4. Wiring of the outlets must be made at least 5mm from the base board by solder with a melting point not higher than 190 ° C for no more than 5 sec.
5. Do not use the indicators for two or more of upper limit values of voltages.
6. During prolonged storage brightness can be reduced compared to the original value, but the brightness is restored to its initial value in the first 24 hours of work.