

CATHODE-RAY TUBE 3LO1I

1. General information

Cathode-ray tube 3LO1I has electrostatic focus and deflection of the electron beam, with a round screen, green phosphor, and an average persistence, intended for monitoring electronic processes by visual observations in different radio and technical devices.

2. Technical specifications

2.1. Basic technical specifications

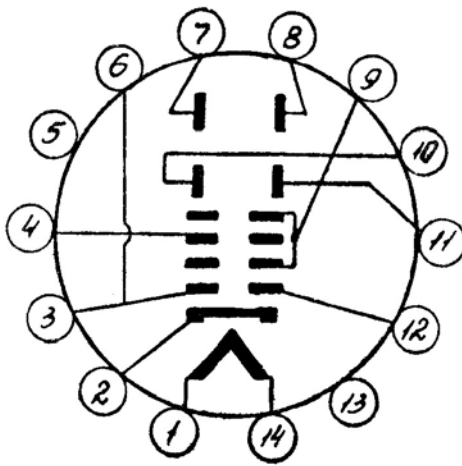
• Heater voltage	6,3V
• Heater current.....	0,54 ... 0,66A
• 2nd anode voltage	500V
• 1st anode voltage correspond to best focus.....	0 ... 50V
• Cut-off voltage	-90 ... -30V
• Diameter of tube (no more than).....	33,5mm
• Length of tube (no more than)	115mm

2.2. Maximum operational values

• Heater voltage	5,7 ... 6,9V
• 2nd anode voltage	500 ... 800V
• Max 1st anode voltage	150V
• Control grid voltage	-125 ... 0V
• Heater-cathode voltage	-125 ... 0V
• Impedance in control grid circuit, no more than.....	1,5M Ω
• Impedance in any deflection plate circuit at 50Hz, no more than	2M Ω
• Voltage between any deflection plates and 2nd anode	-450 ... 450V

*Operation of the CRT with two or more simultaneous maximum values is not permitted.

3. Connections



1. Heater
2. Cathode
3. Control grid
4. Primary anode
5. No connection
6. Focus grid
7. Timebase plate X₁
8. Timebase plate X₂
9. Second anode
10. Signal plate Y₁
11. Signal plate Y₂
12. Focus grid
13. No connection
14. Heater

Fig.1 Connection. Bottom view

Angle between X₁-X₂ and Y₁-Y₂ plates is $90^\circ \pm 3^\circ$. X₁ plate is on the same side of tube as pin 4. Y₂ plate is on pin 1 side. X₁-X₂ plates is closer to screen. Y₁-Y₂ plates is closer to connection pins.