

ELECTRONIC TUBE REFERENCE

# 8LO39V

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION  
CONSTRUCTION  
CATHODERAY

Russian cathode-ray instrument tube for visual registration of electrical processes, with manufacturer-defined electron-optical focusing, deflection, and accelerating-voltage characteristics.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 0             |
| NOMINAL HEATER      | 6.3 V / —         | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                     |
|-----------------------------------------------------|
| SECTION1 Cathode Ray                                |
| No fixed ratings recorded.                          |
| Full electrical-data audit completed for this tube. |

The 8LO39V is a electrostatic cathode-ray indicator tube.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 195X Russian

Published test conditions and operating points. Values on this page are preserved as reported by this source.

## 195X RUSSIAN

## Section 1 · Cathode Ray

| OTHER                                 |                 |                           |
|---------------------------------------|-----------------|---------------------------|
| PARAMETER                             | PUBLISHED VALUE | CONDITION / NOTE          |
| Heater voltage                        | 5.7–6.9 V       | Published operating range |
| First anode voltage                   | 1100 V          | Maximum                   |
| Second anode voltage                  | 1500–2000 V     | Published range           |
| Third anode voltage                   | 3000–4400 V     | Published range           |
| Cathode-heater voltage                | -125–0 V        | Published range           |
| Modulator voltage                     | -200–0 V        | Published range           |
| Deflection plate differential voltage | -550–550 V      | Relative to second anode  |

| CHARACTERISTICS    |                 |                  |
|--------------------|-----------------|------------------|
| PARAMETER          | PUBLISHED VALUE | CONDITION / NOTE |
| Focused line width | 1.1 mm          | Maximum          |
| Modulation voltage | 50 V            | Maximum          |
| Afterglow duration | 0.2 s           | Maximum          |
| Screen brightness  | 40 cd/m2        | Minimum          |

## TUBE TINKER

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and their source documents.

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