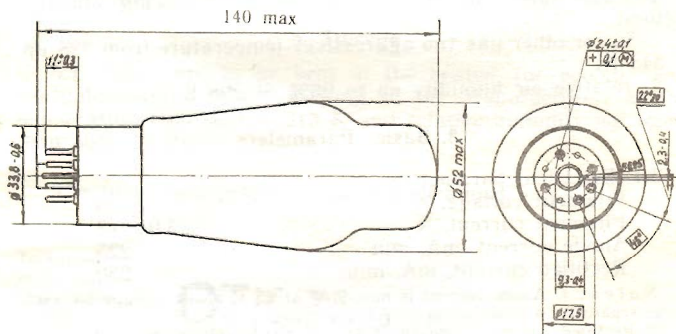


MADE IN RUSSIA

TUBE 5U3C

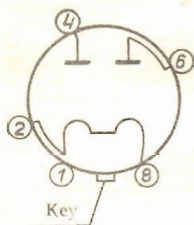
1. General

Two-anode kenotron 5U3C glass-enveloped directly heated is intended to rectify alternating voltage in general-purpose radio equipment.



Mass, max: 72 g.

Electrode-to-Lead Connection Diagram



- 1 — vacant
- 2, 8 — cathode
- 4 — anode of diode No. 2
- 6 — anode of diode No. 1

2. Operation Conditions

2.1. The tube can be used under vibration with acceleration up to $24,5 \text{ m/s}^2$ (2.5 g).

2.2. The tube can be used under the following climatic factors:

- air or other gas (no aggressive) temperature from 228 up to 343 K;
- relative air humidity up to 98% at 298 K.

3. Basic Parameters

3.1. Electrical parameters

Filament voltage, V	5
Filament current, A	3.0 ± 0.3
Anode current, mA, min	225
Rectified current, mA, min	230

Notes: 1. Anode current is measured at 75 V anode voltage for each anode separately, without anode circuit resistance.

2. Rectified current is measured at $2 \times 250 \text{ V}$ voltage of anode transformer, 2000Ω load resistance, $4 \mu\text{F}$ load capacitance and without adjusting resistance. Time of measurement is 60 s.

3.2. Electrical Parameters during 500 h operation

Rectified current (at $2 \times 500 \text{ V}$ anode transformer voltage, 2000Ω load resistance, $4 \mu\text{F}$ load capacitance, without adjusting resistance and 60 s time of measurement), mA, not less than

3.3. Maximum and Minimum Ratings

Heater voltage, V, min	4.5
max	5.5
Inverse voltage peak, V, max	1700
Anode current peak, mA, max	750
Rectified current, mA, max	250

4. Maintenance Instructions

4.1. Replacement of the tube instead of failed one in the equipment is to be done only after the repair of a defect.

4.2. When inserting the tube into the socket or extraction from it the force is to be applied along the tube axis.

4.3. It is not recommended the operation of the tubes when two or more mentioned maximum or minimum ratings are reached.

5. Storage

5.1. Tubes are to be kept in the heated (or cooled) and ventilated stores in the packing of the Manufacturer, at the temperature from 274 to 313 K and relative humidity not more than 80% at 298 K.

The tube corresponds to the Specifications.

Technical
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OTK 75