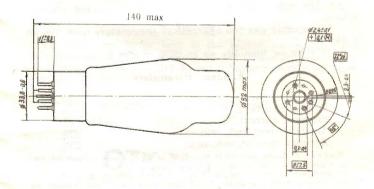
# MADE IN RUSSIA

### **ТИВЕ 5Ц3С**

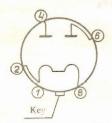
#### 1. General

Two-anode kenotron 5IJ3C 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  $228~\mathrm{up}$  to  $343~\mathrm{K}$ ;

- 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 amode voltage for each

anode separatly, without anode circuit resistance.

2. Rectified current is measured at  $2\times250$  V voltage of anode transformer,  $2000~\Omega$  load resistance,  $4~\mu$ F load capacitance and without adjusting resistance. Time of measurement is 60~s,

3.2. Electrical Parameters during 500 h operation Rectified current (at  $2 \times 500$  V anode transformer voltage, 2000  $\Omega$  load resistance, 4  $\mu$ 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 Inspection Department Stamp

**OTK** 75