



## ELECTRONIC TUBE REFERENCE

## 6N33B

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Russian dual triode for electronic amplification and related radio/electronic service, documented with a specified service-life rating in the available manufacturer reference.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 395 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                   |         |
|---------------------------------------------------------------------------------------------------|---------|
| SECTION1 Triode                                                                                   |         |
| TRANSCONDUCTANCE                                                                                  | 0.002 S |
| AMPLIFICATION FACTOR                                                                              | 70      |
| MAXIMUM PLATE VOLTAGE                                                                             | 200 V   |
| MAXIMUM PLATE DISSIPATION                                                                         | 0.4 W   |
| Filename-designated Russian tube only; identical dual-triode sections compressed when applicable. |         |

|                                                                        |         |
|------------------------------------------------------------------------|---------|
| SECTION2 Triode                                                        |         |
| TRANSCONDUCTANCE                                                       | 0.002 S |
| AMPLIFICATION FACTOR                                                   | 70      |
| MAXIMUM PLATE VOLTAGE                                                  | 200 V   |
| MAXIMUM PLATE DISSIPATION                                              | 0.4 W   |
| Second physical triode section; added to align rows with SectionCount. |         |

6N33B: Russian dual triode for electronic amplification and related radio/electronic service.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1981 Russian Tubes Katsnelson and Larionov

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

## 1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

## Section 1 · Triode

| CHARACTERISTICS                |                 |                                                         |
|--------------------------------|-----------------|---------------------------------------------------------|
| PARAMETER                      | PUBLISHED VALUE | CONDITION / NOTE                                        |
| Heater voltage                 | 5.9–6.7 V       | Напряжение накала . . . , 5,9—6,7 В                     |
| Plate voltage                  | 200 V           | Напряжение анода . . . , 200 В                          |
| Published electrical parameter | 100 V           | Напряжение между катодом и подогревателем , « « 100 В   |
| Published electrical parameter | 2 MA            | Ток каждого анода . . ожж 2 МА                          |
| Dissipation / power            | 0.4 V           | Мощность, рассеиваемая иаждым анодом в ов<br>ь , 0,4 Вт |
| Published electrical parameter | 2000 Hz         | 2000 Гц . . . ер 10р                                    |
| Grid reverse current           | 15 V            | Обратный ток сетки. (при Пс—15 В н & =                  |
| Published electrical parameter | <0.2 мКА        | =0,5 МОм). . . . . ее . <0,2 мКА                        |
| Published electrical parameter | 7 pF            | 7 пФ                                                    |
| Published electrical parameter | <1.4 pF         | проходная , . . . я вв ва в,. <1,4 пФ                   |
| Service life                   | >500 Ч          | Наработка . . . . , . . я В, >500 Ч                     |
| Published electrical parameter | 1 мКА           | обратный ток сеткКИ , . а , . . . . . <1,0 мКА          |
| Transconductance               | 1.2 MA/V        | крутизна характериССТИКИ , , Ф .к. в . 1,2<br>МА/В      |
| Heater voltage                 | 5.7--7.0 V      | Напряжение накала . . . . . в ва 5,7—7,0 В              |
| Published electrical parameter | 350 V           | То же при запертой лампе , . . . ва , . . , 350 В       |

| PARAMETER                      | PUBLISHED VALUE | CONDITION / NOTE                                       |
|--------------------------------|-----------------|--------------------------------------------------------|
| Grid voltage                   | <b>50 V</b>     | Напряжение сетки отрицательное . й жж в , 50 В         |
| Published electrical parameter | <b>200 V</b>    | Напряжение между катодом и подогревателем «в . . 200 В |
| Dissipation / power            | <b>1 V</b>      | Мощность, рассеиваемая анодом оо , 1 Вт                |
| Resistance                     | <b>2 MΩ</b>     | Сопротивление в цепи сеТКИ. . ж ава в . , , 2 МОм      |
| Published electrical parameter | <b>15 a</b>     | 2000 Гц . . . , , 15a                                  |

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