

ELECTRONIC TUBE REFERENCE

6N15P

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA  
2 SECTIONS  
CONSTRUCTION  
TRIODE-TRIODE

Russian double triode designed for high-frequency amplifier stages, providing two triode sections for RF voltage amplification in radio and electronic equipment.

GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 450 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                                                                                      |          |
|--------------------------------------------------------------------------------------|----------|
| SECTION1 Triode                                                                      |          |
| TRANSCONDUCTANCE                                                                     | 0.0056 S |
| AMPLIFICATION FACTOR                                                                 | 38       |
| MAXIMUM PLATE VOLTAGE                                                                | 330 V    |
| MAXIMUM PLATE DISSIPATION                                                            | 1.6 W    |
| Bilingual Russian/English datasheet; English text used as primary extraction source. |          |

|                                                                                  |          |
|----------------------------------------------------------------------------------|----------|
| SECTION2 Triode                                                                  |          |
| TRANSCONDUCTANCE                                                                 | 0.0056 S |
| AMPLIFICATION FACTOR                                                             | 38       |
| MAXIMUM PLATE VOLTAGE                                                            | 330 V    |
| MAXIMUM PLATE DISSIPATION                                                        | 1.6 W    |
| Second identical physical triode section; added to align rows with SectionCount. |          |

The 6H15IT double triode is designed for use NOJlb30BaHHs B KACKaZax BLICOKOH YacTOTH in high-frequency stages.

## SOURCE OPERATING CONDITIONS

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# 195X Russian

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

## 195X RUSSIAN

## Section 1 · Triode

| CHARACTERISTICS                |                 |                                                                                                   |
|--------------------------------|-----------------|---------------------------------------------------------------------------------------------------|
| PARAMETER                      | PUBLISHED VALUE | CONDITION / NOTE                                                                                  |
| Source symbol KJISIHOM         | 6 A             | HHATIOpPHOM OMOpPMJICHHH, B CTEKJISIHOM 6aJJIoHe vices enclosed in glass bulb and provided with a |
| Source symbol U,               | 63 V            | U, 63V R, 502 S2) 56X mANV                                                                        |
| Source symbol I,               | 45030 mA        | I, 45030 mA I,2) 9+35mA p2) 38x110                                                                |
| Published electrical parameter | 9+35 mA         | I, 45030 mA I,2) 9+35mA p2) 38x110                                                                |
| Source symbol U,               | 100 V           | U, 100V P9 =07W Uge ) <—30V                                                                       |
| Source symbol P                | 9±07 W          | U, 100V P9 =07W Uge ) <—30V                                                                       |
| Published electrical parameter | 30 V            | U, 100V P9 =07W Uge ) <—30V                                                                       |
| Published electrical parameter | 150 V           | %) ) IIAP U, =150 v, 1, =33 ma, Rgr =2 kQ, {=250 MHz.                                             |
| Published electrical parameter | 33 mA           | %) ) IIAP U, =150 v, 1, =33 ma, Rgr =2 kQ, {=250 MHz.                                             |
| Published electrical parameter | 2 kΩ            | %) ) IIAP U, =150 v, 1, =33 ma, Rgr =2 kQ, {=250 MHz.                                             |
| Published electrical parameter | 250 MHz         | %) ) IIAP U, =150 v, 1, =33 ma, Rgr =2 kQ, {=250 MHz.                                             |
| Published electrical parameter | 250 V           | ) AIPR U, =250 V, 1,=75 pA.                                                                       |
| Published electrical parameter | 75 pA           | ) AIPR U, =250 V, 1,=75 pA.                                                                       |
| Published electrical parameter | 8 pF            | Cox 22%08 pF Coh) 0,45+0,2 pF                                                                     |
| Published electrical parameter | 0.45+0.2 pF     | Cox 22%08 pF Coh) 0,45+0,2 pF                                                                     |

| PARAMETER                      | PUBLISHED VALUE | CONDITION / NOTE                 |
|--------------------------------|-----------------|----------------------------------|
| Published electrical parameter | <b>40.15 pF</b> | C,?) 040,15 pF Cgra 15%03 pF     |
| Published electrical parameter | <b>3 pF</b>     | C,?) 040,15 pF Cgra 15%03 pF     |
| Source symbol Cuy              | <b>6621 pF</b>  | Cuy 6621 pF                      |
| Source symbol Un               | <b>7 V</b>      | Un 7V 57V                        |
| Source symbol V                | <b>57 V</b>     | Un 7V 57V                        |
| Source symbol Ua               | <b>330 V</b>    | Ua 330V                          |
| Published electrical parameter | <b>1.6 W</b>    | P, 1) 1,6 W                      |
| Source symbol Uin              | <b>100 V</b>    | Uin 100 V                        |
| Source symbol Rt               | <b>0.1 MΩ</b>   | Rt 0,1 MQ                        |
| Source symbol 0                | <b>19 mA</b>    | fa— O 19max-»                    |
| Published electrical parameter | <b>435 mA</b>   | 435max —                         |
| Published electrical parameter | <b>5 mA</b>     | 54 5max                          |
| Published electrical parameter | <b>1 W</b>      | wllX 1 1 W ¥4 v                  |
| Published electrical parameter | <b>4 V</b>      | wllX 1 1 W ¥4 v                  |
| Published electrical parameter | <b>63 V</b>     | U, =63V                          |
| Published electrical parameter | <b>20 V</b>     | 20 Val:                          |
| Published electrical parameter | <b>42 A</b>     | / 42 A~ Ny J                     |
| Published electrical parameter | <b>25 V</b>     | 25V                              |
| Published electrical parameter | <b>300 V</b>    | <5 -4 -3 -2 g 100 200 300 Va, vV |
| Published electrical parameter | <b>1 kHz</b>    | — = —lerimp fimp=1kHz            |



# 1970 Russian Tubes Mashpriborintorg

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

1970 RUSSIAN TUBES MASHPRIBORINTORG

Section 1 · Triode

| CHARACTERISTIC |                 |                                                                                 |
|----------------|-----------------|---------------------------------------------------------------------------------|
| PARAMETER      | PUBLISHED VALUE | CONDITION / NOTE                                                                |
| U              | 63 V            | Published datasheet line: U, 63V R, 502 S2) 56X mANV                            |
| I              | 45030 mA        | Published datasheet line: I, 45030 mA I,2) 9+35mA p2) 38xl10                    |
| U              | 100 V           | Published datasheet line: U, 100V P9 =07W Uge ) <−30V                           |
| ) ) IIAP U     | =150 v          | Published datasheet line: %) ) IIAP U, =150 v, 1, =33 ma, Rgr =2 kQ, {=250 MHz. |
| ) AIPR U       | =250 V          | Published datasheet line: ) AIPR U, =250 V, 1,=75 pA.                           |
| Cox            | 22%08 pF        | Published datasheet line: Cox 22%08 pF Coh) 0,45+0,2 pF                         |
| C )            | 040,15 pF       | Published datasheet line: C,?) 040,15 pF Cgra 15%03 pF                          |
| Cuy            | 6621 pF         | Published datasheet line: Cuy 6621 pF                                           |
| Un             | 7 V             | Published datasheet line: Un 7V 57V                                             |
| Ua             | 330 V           | Published datasheet line: Ua 330V                                               |
| P              | 1 W             | Published datasheet line: P, 1) 1,6 W                                           |
| Uin            | 100 V           | Published datasheet line: Uin 100 V                                             |
| Rt             | 0,1 MQ          | Published datasheet line: Rt 0,1 MQ                                             |

| OTHER     |                 |                                           |
|-----------|-----------------|-------------------------------------------|
| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE                          |
| Un        | 7 V             | Published datasheet line: Un 7V 57V       |
| Ua        | 330 V           | Published datasheet line: Ua 330V         |
| P         | 1 W             | Published datasheet line: P, 1) 1,6 W     |
| Uin       | 100 V           | Published datasheet line: Uin 100 V       |
| Rt        | 0,1 MQ          | Published datasheet line: Rt 0,1 MQ       |
| wllX      | 1 W             | Published datasheet line: wllX 1 1 W ¥4 v |

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE                                |
|-----------|-----------------|-------------------------------------------------|
| g         | 100 g           | Published datasheet line: g 100 200 300 490 Yag |
| U         | =63 V           | Published datasheet line: U, =63V               |



## SOURCE OPERATING CONDITIONS

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# 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

| CHARACTERISTIC       |                 |                                                         |
|----------------------|-----------------|---------------------------------------------------------|
| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE                                        |
| Heater voltage       | 6.3 V           | Published nominal heater condition.                     |
| Heater current       | 450 mA          | Published heater current.                               |
| Plate current        | 9 mA            | Published basic-parameter operating point.              |
| Transconductance     | 5600 $\mu$ S    | Published basic-parameter value; normalized to $\mu$ S. |
| Amplification factor | 38              | Published basic-parameter value.                        |
| Service life         | 2500 h          | Published service-life figure.                          |

| OTHER                     |                 |                                         |
|---------------------------|-----------------|-----------------------------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE                        |
| Maximum plate voltage     | 330 V           | Published limiting operating value.     |
| Maximum plate dissipation | 1.6 W           | Published per-triode plate dissipation. |