



## ELECTRONIC TUBE REFERENCE

## 6H2PEV

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-DIODE

Russian dual-diode variant documented in the manufacturer source; available application detail is insufficient for a narrower functional classification.

## GENERAL CHARACTERISTICS

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

## SECTION RATINGS

## SECTION1 Diode

*No fixed ratings recorded.*

*Electrical characteristics/rating tables read in full; English favored.*

## SECTION2 Diode

*No fixed ratings recorded.*

*Physical second diode section added during approved section-structure reconciliation.*

6H2PEV: DualDiode vacuum tube from bilingual English/Russian source.

## 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 · Diode

| CHARACTERISTICS                |                 |                                                                                                                |
|--------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------|
| PARAMETER                      | PUBLISHED VALUE | CONDITION / NOTE                                                                                               |
| Source symbol Q                | 19 mA           | Q19max 7 8 2                                                                                                   |
| Published electrical parameter | 48 mA           | 48max                                                                                                          |
| Source symbol diode            | 2 A             | ! / — diode   cathode; 2 — diode 2 anode; 3 — heater;                                                          |
| Source symbol oHe              | 4 A             | BubpanyoHnHble Harpy3kd B JMana3'oHe 4acToT OT S Vibration: at frequencies from 5 to 600 Hz with acce-         |
| Source symbol to               | 600 Hz          | BubpanyoHnHble Harpy3kd B JMana3'oHe 4acToT OT S Vibration: at frequencies from 5 to 600 Hz with acce-         |
| Source symbol y                | 1 A             | 1o 600 I'u ¢ yckopeHueM A0 6 g. MHOTOKpaTHbIE y1apHble leration up to 6 g. Multiple impacts: with acceleration |
| Source symbol Bo               | 3 A             | TellbHas BNAXHOCTL Bo3Ayxa /[0 98% npu rtemneparye humidity: up to 98% at up to 40 °C. Ambient pressure:       |
| Published electrical parameter | 3 A             | 10 40 °C. JaBieHue OKpyXaroued cpedsl 10 3 aTMm. to 3 atm.                                                     |
| Source symbol to               | 3 A             | 10 40 °C. JaBieHue OKpyXaroued cpedsl 10 3 aTMm. to 3 atm.                                                     |
| Source symbol eMKOCTH          | 2±150 V         | COMPOTHBNEHHH B Lemy xaTofa 10 kOM M eMKOCTH 2X 150 V (r.m.s.), resistance 10 kOhm in cathode circuit          |
| Published electrical parameter | 17 A            | PUABTPE 8 MKD), MA o oo =17 and filter capacitance ¢uF, mA ..... =17                                           |
| Published electrical parameter | 200 W           | LHase noaorpesaTend . ... .. 200 with heater at negative poten-                                                |

| PARAMETER                      | PUBLISHED VALUE | CONDITION / NOTE                                                                             |
|--------------------------------|-----------------|----------------------------------------------------------------------------------------------|
| Source symbol 0HaHCHAA         | <b>4 A</b>      | CobcTBeHHas pe3OHaHCHAA 4acTo- Natural resonant frequency, MHz . . 650                       |
| Published electrical parameter | <b>30 W</b>     | .. 30 Warm up period, s .....                                                                |
| Source symbol muepatypa        | <b>6 A</b>      | Temuepatypa 6asuiona, °C..... 120 Bulb temperature, °C ..... 120                             |
| Source symbol B                | <b>3 A</b>      | THKa (A% OQHOTO OMOAa) xapakTepucTika (15 OAHOrO AMoaa) NEHHOrO HaMpsiKEHUS B 3aBUCUMOCTH OT |
| Published electrical parameter | <b>6.3 V</b>    | Un=6,3 V Un=6,3 V, Ra=40 k{2 BBIIPAMIICHHOPO TOKA                                            |
| Published electrical parameter | <b>63 V</b>     | Un=63V Un=6.3 V, Ra=40 kQ2 Un=6.3 V, Ra=200 ©, Critter =8 F                                  |
| Published electrical parameter | <b>40 kΩ</b>    | Un=63V Un=6.3 V, Ra=40 kQ2 Un=6.3 V, Ra=200 ©, Critter =8 F                                  |

## TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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