



## ELECTRONIC TUBE REFERENCE

# 6J20P

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**

CONSTRUCTION

**PENTODE**

Russian cathode-grid pentode designed for wideband RF preamplification and electronic switching circuits.

## 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

|                                                                                                         |                |
|---------------------------------------------------------------------------------------------------------|----------------|
| <b>SECTION 1</b> Pentode                                                                                |                |
| PLATE RESISTANCE                                                                                        | 90000 $\Omega$ |
| TRANSCONDUCTANCE                                                                                        | 0.0165 S       |
| MAXIMUM PLATE VOLTAGE                                                                                   | 200 V          |
| MAXIMUM SCREEN VOLTAGE                                                                                  | 200 V          |
| MAXIMUM PLATE DISSIPATION                                                                               | 4 W            |
| MAXIMUM SCREEN DISSIPATION                                                                              | 1.2 W          |
| <i>Promoted ratings and characteristics translated from the filename-designated Russian entry only.</i> |                |

The 6J20P is a Russian cathode-grid pentode for wideband RF preamplifiers and switching circuits. The source entry was translated to English and processed independently from neighboring partial entries.

## 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 · Pentode

| CHARACTERISTICS         |                                  |                           |
|-------------------------|----------------------------------|---------------------------|
| PARAMETER               | PUBLISHED VALUE                  | CONDITION / NOTE          |
| Guaranteed service life | <b>1000 h</b>                    | Published source value    |
| Nominal heater voltage  | <b>6.3 V</b>                     | Published source value    |
| Nominal heater current  | <b>450 mA</b>                    | Published source value    |
| Transconductance        | <b>16500 <math>\mu</math>S</b>   | Published operating point |
| Plate resistance        | <b>90000 <math>\Omega</math></b> | Published operating point |

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