

ELECTRONIC TUBE REFERENCE

6J10BV

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Russian dual-control high-frequency pentode for RF amplification and frequency conversion. The additional control electrode enables mixer and converter functions beyond ordinary pentode voltage amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 220 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.005 S
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	2.1 W
MAXIMUM SCREEN DISSIPATION	1.3 W
MAXIMUM CATHODE CURRENT	28 mA
Promoted ratings and characteristics translated from the filename-designated Russian entry only.	

The 6J10BV is a Russian double-control high-frequency pentode for RF amplification and frequency conversion. 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	500 h	Published source value
Nominal heater voltage	6.3 V	Published source value
Nominal heater current	220 mA	Published source value
Transconductance	5000 μS	Published operating point

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