

ELECTRONIC TUBE REFERENCE

6J33AV

Voltage - Pentode High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

High-reliability Russian subminiature pentode designed for high-frequency voltage amplification. Its compact construction and reliability-oriented design suit RF signal equipment requiring dependable operation under more demanding conditions than ordinary receiving tubes.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 127 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.0045 S
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	125 V
MAXIMUM PLATE DISSIPATION	1.3 W
MAXIMUM SCREEN DISSIPATION	0.4 W
MAXIMUM CATHODE CURRENT	15 mA
Values promoted where clearly identifiable from Russian source.	

High-reliability subminiature pentode for high-frequency voltage amplification.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	2	Published Russian-source value; OCR-normalized.
Screen current	4 mA	Published Russian-source value; OCR-normalized.
Transconductance	51.2 μ S	Published Russian-source value; OCR-normalized.
Input capacitance	0.8 pF	Published Russian-source value; OCR-normalized.
Output capacitance	0.8 pF	Published Russian-source value; OCR-normalized.
Transfer capacitance	0.03 pF	Published Russian-source value; OCR-normalized.
Service life	2000 h	Published Russian-source value; OCR-normalized.
Transconductance	2.6 μ S	Published Russian-source value; OCR-normalized.
Heater voltage	6.9 V	Nominal/published heater value.
Heater current	13 mA	Nominal/published heater value.

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