

ELECTRONIC TUBE REFERENCE

6J43PE

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Long-life Russian miniature pentode for voltage amplification in radio-electronic equipment. Its defining distinction is extended service life while retaining a general small-signal voltage-amplifier function.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / 30 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM SCREEN DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	46 mA
Values promoted where clearly identifiable from Russian source.	

Long-life miniature pentode for voltage amplification in radio-electronic equipment.

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
Screen current	2.5 mA	Published Russian-source value; OCR-normalized.
Plate resistance	36 kΩ	Published Russian-source value; OCR-normalized.
Input capacitance	2 pF	Published Russian-source value; OCR-normalized.
Output capacitance	0.5 pF	Published Russian-source value; OCR-normalized.
Transfer capacitance	0.04	Published Russian-source value; OCR-normalized.
Service life	10000 h	Published Russian-source value; OCR-normalized.
Transconductance	8 μS	Published Russian-source value; OCR-normalized.
Heater current	30 mA	Nominal/published heater value.

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker