



ELECTRONIC TUBE REFERENCE

1J24B

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Economical directly heated subminiature Russian pentode for high- and intermediate-frequency amplification. Its compact filamentary construction targets miniature RF/IF signal equipment where low power consumption and small size are desirable.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.2 V / 13 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
MAXIMUM PLATE VOLTAGE	120 V
MAXIMUM SCREEN VOLTAGE	90 V
MAXIMUM PLATE DISSIPATION	0.12 W
MAXIMUM CATHODE CURRENT	1.6 mA
Values promoted where clearly identifiable from Russian source.	

Economical directly heated subminiature pentode for high- and intermediate-frequency 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	45 mA	Published Russian-source value; OCR-normalized.
Screen current	1 mA	Published Russian-source value; OCR-normalized.
Transconductance	0.3 μ S	Published Russian-source value; OCR-normalized.
Input capacitance	0.4 pF	Published Russian-source value; OCR-normalized.
Output capacitance	0.45 pF	Published Russian-source value; OCR-normalized.
Transfer capacitance	0.008 pF	Published Russian-source value; OCR-normalized.
Service life	25000 h	Published Russian-source value; OCR-normalized.
Transconductance	0.48 μ S	Published Russian-source value; OCR-normalized.
Plate current	7 mA	Published Russian-source value; OCR-normalized.
Screen current	0.5	Published Russian-source value; OCR-normalized.
Heater current	2 mA	Nominal/published heater value.

TUBE TINKER

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

