



ELECTRONIC TUBE REFERENCE

1P22BV

Voltage - Pentode High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Russian high-durability, directly heated miniature RF pentode for high-frequency oscillation and amplification. The 1P22BV uses a 1.2 V, 125 mA oxide-coated filament and flexible leads; its datasheet specifies microphonic characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.2 V / 125 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.003 S
<i>Russian 1P22BV high-durability directly heated miniature pentode for high-frequency oscillation and amplification, 1.2 V 125 mA filament (110–140 mA range), flexible wire leads. Typical anode 90 V, screen 90 V, control grid -4.5 V, transconductance 3 mA/V (2.3–3.7 range) and printed anode power 2.5 W. Manufacturer-derived summary specifies microphonic noise 600 mV nominal (400–800 mV range), distinguishing this designation. Voltage and power figures are not expressly identified as maximum ratings, so promoted maxima left blank.</i>	



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Russian Receiving

Published test conditions and operating points. Values on this page are preserved as reported by this source.

2026 RUSSIAN RECEIVING

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen Voltage	90 V	—
Grid Voltage	-4.5 V	—
Plate Voltage	90 V	—

TUBE TINKER

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