

ELECTRONIC TUBE REFERENCE

1K1P

Voltage Pentode - High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Russian directly heated miniature pentode for high-frequency voltage amplification in battery-operated receivers. Its oxide-coated 1.2 V, 60 mA filament supports low-voltage RF amplification with nominal transconductance of 0.89 mA/V.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	1.2 V / 60 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.00089 S
<i>Russian 1K1P directly heated miniature high-frequency voltage amplifier pentode, oxide-coated filament 1.2 V 60 mA (53-67 mA published range) and seven-pin base. Published typical anode voltage 90 V, screen grid 67.5 V, anode current about 4 mA (2.3-4.7 mA specified range), and transconductance 0.89 mA/V (0.00089 S). The source does not designate typical voltages as absolute operating maxima, so corresponding max voltage fields remain NULL.</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
Plate Current	4 mA	—
Screen Voltage	67.5 V	—
Plate Voltage	90 V	—