



ELECTRONIC TUBE REFERENCE

1P6B

Voltage Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Russian miniature directly heated low-power pentode for mobile electronics, using a 1.25 V, 11 mA oxide-coated filament and flexible leads.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.25 V / 11 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.0004 S
<i>Russian economical directly heated miniature pentode intended for mobile equipment, oxide-coated filament 1.25 V 11 mA, flexible leads. Manufacturer-derived summary lists anode voltage 45 V, screen 45 V, grid bias -2 V, transconductance 0.4 mA/V, nominal anode current stated as 0.007 A and anode power 0.05 W, with microphonic noise 100 mV. Printed current/power combination is inconsistent at face value and cannot establish dissipation maximum; 45 V ratings are unspecified as maximum versus operating points. Existing gm retained and maximum fields left 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 Voltage	45 V	—
Screen Voltage	45 V	—
Grid Voltage	-2 V	—