

ELECTRONIC TUBE REFERENCE

6P14P

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Russian miniature output pentode designed for low-frequency amplifier output stages. Its compact construction provides audio power amplification in receivers and other low-frequency equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 760 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	30000 Ω
TRANSCONDUCTANCE	0.0113 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	14 W
Published electrical characteristics and permissible ratings promoted where OCR labels were unambiguous; remaining published numeric table entries retained in TUBE_SECTION_PARAMETER.	

Russian miniature output pentode for low-frequency amplifier output stages.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Russian

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

195X RUSSIAN

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published nominal heater condition.
Heater current	760 mA	Published heater current.
Transconductance	11300 μ S	Published characteristic; normalized to μ S.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	300 V	Published limiting operating value.
Maximum plate dissipation	14 W	Published limiting operating value.



SOURCE OPERATING CONDITIONS

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1970 Russian Tubes Mashpriborintorg

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

1970 RUSSIAN TUBES MASHPRIBORINTORG

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol U,	63 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I,	76060 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol I,	48±8 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol E,	250 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Uy,	250 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol R	30 kΩ	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol C,c	79 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cgia	2 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol U,	7 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I3	65 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Upn	100 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Ug2	300 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol P,	14 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol T6amnona	220 °C	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol pg2	29 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Electro Harmonix

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

2026 ELECTRO HARMONIX

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	48 mA	Plate 250 V; Screen 250 V
Power Output	4.2 W	Load 5.2 kohm; ClassA;OneTube



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Sovtek

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

2026 SOVTEK

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	40–56 mA	Plate 250 V; Screen 250 V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power Output	4.2 W	Load 5.2 kohm; ClassA;OneTube

TUBE TINKER

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and their source documents.

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