

Power/output pentode designed for low-frequency or audio-frequency output amplification.

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	22000 Ω
TRANSCONDUCTANCE	0.0115 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	12 W
Published electrical characteristics and permissible ratings promoted where OCR labels were unambiguous; remaining published numeric table entries retained in TUBE_SECTION_PARAMETER.	

The 6IT18I1 output pentode is designed for YCHJIEHHS] MOIUHOCTH HH3KOH 4acTOoThl W paboThl B amplification of low-frequency power and can be BLIXOJHBIX KACKafax KajapOBON pPasBepPTKH.



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	11500 μ S	Published characteristic; normalized to μ S.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	250 V	Published limiting operating value.
Maximum plate dissipation	12 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 R,	110 Ω	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol I,	760+60 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I,	53+9 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	180 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I,	8 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U _{gp}	180 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol R,	22 kΩ	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 I	75 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	950 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U _y	100 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol j _{mp}	2500 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U _{gs}	250 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol P,	2 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol T6amxoua	230 °C	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Py	25 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.