

ELECTRONIC TUBE REFERENCE

6N6PI

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

Pulse version of the Russian 6N6P double triode, designed for low-frequency power amplification under pulsed operating conditions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 750 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0095 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	4 W
Bilingual Russian/English datasheet; English text used as primary extraction source.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0095 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	4 W
Second identical physical triode section; added to align physical rows with SectionCount.	

The 6H6IT-U pulse double triode has been designed [YCHJIEHHS MOILHOCTH HM3KOM 4aCTOThI B UMNYJILCHOM for low-frequency power amplification under conditions pexume.



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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published nominal heater condition.
Heater current	750 mA	Published heater current.
Transconductance	9500 μ S	Published characteristic; normalized to μ S.
Amplification factor	20	Published characteristic.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	300 V	Published limiting operating value.
Maximum plate dissipation	4.8 W	Published limiting operating value.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U	63 V	Published datasheet line: U, 63V I,2) 307 $\frac{1}{2}$ mA
I	90030 mA	Published datasheet line: I, 90030 mA I,%) <100 pA
U	120 V	Published datasheet line: U, 120V sz 1FZSmA/nv

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
R	1 Q	Published datasheet line: R, 1) 68Q n2) 20x4
PublishedValue	=300 V	Published datasheet line: =300V, Ugp=—35V.
Coic	4407 pF	Published datasheet line: Coic 4407 pF Cota <35 pF
Cak	1 pF	Published datasheet line: Cak 1) 1,65+0,25 pF Corno <Ol pF
C .	1,8%03 pF	Published datasheet line: C,.? 1,8%03 pF Cyn <8 DpF
U	7 V	Published datasheet line: U, 7V 5,7V Ryr 1 MQ
U	300 V	Published datasheet line: U, 300V
U)	450 V	Published datasheet line: U,!) 450V QfCKBa}KHOCTh)
Uyr	—100 V	Published datasheet line: Uyr —100V TGaJIJmHa 200°C
P	4 W	Published datasheet line: P, 4W

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U	7 V	Published datasheet line: U, 7V 5,7V Ryr 1 MQ
U	300 V	Published datasheet line: U, 300V
U)	450 V	Published datasheet line: U,!) 450V QfCKBa}KHOCTh)
Uyr	—100 V	Published datasheet line: Uyr —100V TGaJIJmHa 200°C
P	4 W	Published datasheet line: P, 4W



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1981 Russian Tubes Katsnelson and Larionov

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

1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical parameter	2 a	" -& я — ноя, 51% 2аЯ 20
Published electrical parameter	2008 V	0 20 &0 60 80 700 720 140 160 180 2008 В — 10 -& -6—&=2 @ 2
Published electrical parameter	2 V	при /,,=6,3 в и,=120 В, Ис=—2 В (для 6Н6П),
Published electrical parameter	68 Ω	=68 Ом (для 6Н6П-И)
Published electrical parameter	150 V	Одипп== Усипп== 150 В, т=1--2 мке, i—
Published electrical parameter	50 Hz	=50 Гц), А. .. — >4,7
Published electrical parameter	5.7 V	То же при Нц=5,7 В. , >6,8
Published electrical parameter	0.5 kΩ	=0,5 кОм), мВ. , <100 < 100
Published electrical parameter	-6 V	при 0ц=6,3 В, /а=300 В, 7с=—6 В
Grid reverse current	<3 мКА	Обратный ток сетки* , <3 мКА
Dissipation / power	>4.2 V	Выходная мощность **, , >4,2 Вт
Published electrical parameter	57 V	То же при Шв=57 В.
Published electrical parameter	>3.2 V	, >3,2 Вт

TUBE TINKER

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