

ELECTRONIC TUBE REFERENCE

6N3P

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

Russian double triode designed for voltage amplification and generation of low-frequency oscillations, combining amplifier and oscillator functions in one miniature device.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 350 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.006 S
AMPLIFICATION FACTOR	35
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.5 W
Bilingual Russian/English datasheet; English text used as primary extraction source.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.006 S
AMPLIFICATION FACTOR	35
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.5 W
Second physical triode section; added to align rows with SectionCount.	

The 6H3II double triode is designed for vol- JIEHHsi HanpsiZKeHHss H TEeHepUPOBaHHS KoJeOaHHN tage amplification and generation of low-frequency HHU3KOH 4acTOTH.



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	350 mA	Published heater current.
Transconductance	6000 μ S	Published characteristic; normalized to μ S.
Amplification factor	35	Published characteristic.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	300 V	Published limiting operating value.
Maximum plate dissipation	1.5 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 1,2 875+275mA
I	35035 mA	Published datasheet line: I, 35035 mA I,,% <<40pA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U	150 V	Published datasheet line: U, 150V S2) 6 _u ,mA
U	-2 V	Published datasheet line: U, -2V p2) 36x8
R	1 Q	Published datasheet line: R, 1) 240Q Ry) 14kQ
PublishedValue	3 V	Published datasheet line: 3) U _{gp} = —10 V.
U _{gp}	—10 V	Published datasheet line: U _{gp} =~—10V.
PublishedValue	4 MHz	Published datasheet line: 4) T _{lpu} =60 MHz.
At	=60 MHz	Published datasheet line: At =60 MHz.
C _{glk}	2,8 pF	Published datasheet line: C _{glk} 2,8 pF C _{gla} <16 pF
C _{uc}	149 pF	Published datasheet line: C _{uc} 149F C _{ala2} < 0,15 pF
U	7 V	Published datasheet line: U, 7V 57V
U	300 V	Published datasheet line: U, 300V
Pa	1,5 W	Published datasheet line: Pa 1,5 W
I	18 mA	Published datasheet line: I, 18 mA
U _y	100 V	Published datasheet line: U _y 100 V
R _{yt}	1 MQ	Published datasheet line: R _{yt} 1 MQ

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U	7 V	Published datasheet line: U, 7V 57V
U	300 V	Published datasheet line: U, 300V
Pa	1,5 W	Published datasheet line: Pa 1,5 W
I	18 mA	Published datasheet line: I, 18 mA
U _y	100 V	Published datasheet line: U _y 100 V
R _{yt}	1 MQ	Published datasheet line: R _{yt} 1 MQ
f _g .mA	150 mA	Published datasheet line: f _g .mA 150V
PublishedValue	2 v	Published datasheet line: 2'0 100v
PublishedValue	200 v	Published datasheet line: 200v] 1]



SOURCE DATA APPENDIX

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

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical parameter	0 a	,/,/,22/_& Т 0а б и о
Published electrical parameter	2 V	при Ов=6,3 В, /=150 В, 7с=—2 В (для 6НЗП-Е, 6НЗП-ДР),
Published electrical parameter	240 Ω	К&=240 Ом (для 6НЗП, 6НЗП-И, 6СС49)
Published electrical parameter	-10 V	стики (при ис =+10 В)
Published electrical parameter	50 Hz	=50 Гц),А г .у з,. в - >0,8 — — —
Published electrical parameter	9 в	к;;iy]{/иёна , хар.акгечнсти.ки: 4, `5'9+1'9 в,91,9 в,9-1.9 5,5
Published electrical parameter	57 V	То же при О=57 В . >4 — 2>3,8* — —
Published electrical parameter	7±60 MHz	{7=60 МГц), кОм ., .. 14 — — — —
Published electrical parameter	60 MHz	(при /=60 МГц), кОм . . ю — — — —
Published electrical parameter	6 V	* При ин =6 В.
Published electrical parameter	8 A	8 А Й, Й, у) / , , #
Published electrical parameter	2002208 V	0 20 40 60 80 100 1720 /0 160 180 2002208 В - & —6 —& -2 0 2

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

