ELECTRONIC TUBE REFERENCE

6N24P

Voltage - Dual Triode (similar high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

Russian double triode designed for high-frequency voltage amplification in cascade circuits of general-purpose radio equipment.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	9
NOMINAL HEATER	6.3 V / 310 mA	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode

TRANSCONDUCTANCE	0.0125 S
AMPLIFICATION FACTOR	34
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.8 W

Bilingual Russian/English datasheet; English text used as primary extraction source.

SECTION2 Triode

TRANSCONDUCTANCE	0.0125 S
AMPLIFICATION FACTOR	34
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.8 W

Second physical triode restored.

The 6H24I1 double triode is designed for amp- JIEHHs] HaNpsiKeHHs BBICOKOM 4YacTOThl B KacKal-lification of high-frequency voltage in cascade HBIX CXeMax paJHOTeXHUYECKHX YCTPOHCTB IHHPO-circuits of radio equipment of wide use.

SOURCE OPERATING CONDITIONS

195X Russian

SOURCE PDF

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	**600 mA**	Published heater current.
Transconductance	**4500 µS**	Published characteristic; normalized to µS.
Amplification factor	**27**	Published characteristic.

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum plate voltage	**250 V**	Published limiting operating value.
Maximum plate dissipation	**2.2 W**	Published limiting operating value.

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1970 Russian Tubes Mashpriborintorg

SOURCE PDF

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 R, ') 680 Q pl) 33x7
I	**300+25 mA**	Published datasheet line: I, 300+25 mA I,Y) 15mA Rgix ¥ 700 Q

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U	**100 V**	Published datasheet line: U, 100V I, <01 mA Reqy 300 Q
Ugr	**9 V**	Published datasheet line: Ugr 9V SY) 125+25 mA/V
) Ipu Ugp	**–8 V**	Published datasheet line: ?) Ipu Ugp=—8 V.
At Ugr -	**–8 V**	Published datasheet line: At Ugr=-—8V.
PublishedValue	**3 MHz**	Published datasheet line: 3) Ilepsoro Tpuoxa mpu f =200 MHz.
For the first triode at	**=200 MHz**	Published datasheet line: For the first triode at =200 MHz.
Cer)	**39009 pF**	Published datasheet line: Cer) 39009 pF Cgla 1 1’3f81fg pF
Coc	**63 pF**	Published datasheet line: Coc? 63=13 pF Cg1a?) 0,25+0:% pF
Ch)	**2+04 pF**	Published datasheet line: Ch') 2+04pF Cajaz 0,035 pF
Cpe)	**3.2+055 pF**	Published datasheet line: Cpe?) 3.2+055 pF
Uy	**7 V**	Published datasheet line: Uy, 7V 57V PgT 0,03 W
U	**300 V**	Published datasheet line: U, 300V I, 2) 20 mA
U)	**470 V**	Published datasheet line: U,?!) 470V Uun 150 V
P	**1.8 W**	Published datasheet line: P, 1.8 W U ®) 200V
RgT	**1 MQ**	Published datasheet line: RgT 1 MQ

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Uy	**7 V**	Published datasheet line: Uy, 7V 57V PgT 0,03 W
U	**300 V**	Published datasheet line: U, 300V I, 2) 20 mA
U)	**470 V**	Published datasheet line: U,?!) 470V Uun 150 V
P	**1.8 W**	Published datasheet line: P, 1.8 W U ®) 200V
RgT	**1 MQ**	Published datasheet line: RgT 1 MQ
mA/V//	**40%3 mA/V**	Published datasheet line: .fimA/V// 40%3 }

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

Section 1 · Triode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical parameter	**680 Ω**	при (н=6,3 В, И,=90 В, 7.=9 В, К=680 Ом (для 6Н24П),
Published electrical parameter	**1.2 V**	(0=—1,2 В (для ECC89)
Published electrical parameter	**8 V**	и.=—8 В) . . ЕА <0,1 —
Published electrical parameter	**5.7 V**	То же при (,=5,7 В. . .. ,. > 8,5 —
Published electrical parameter	**200 MHz**	(при }=200 МГц), кОм НЕИ 0,7 —
Published electrical parameter	**0.5 kΩ**	=0,5 кОм), й .. ., < 150 —
Frequency	**10–150 Hz**	не частот 10—150 Гц @. .. .. 2,5 —
Published electrical parameter	**2206 V**	200 2206 В -6 -5 -# -5 -& -71 0

TUBE TINKER

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

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