



ELECTRONIC TUBE REFERENCE

6N2P

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Russian double triode designed for low-frequency voltage amplification, providing two high-mu small-signal sections for general electronic amplifier circuitry.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 340 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0021 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	10 mA
Bilingual Russian/English datasheet; English text used as primary extraction source.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0021 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	10 mA
<i>Second physical triode restored.</i>	

The 6H2I1 double triode is designed for ampli- JIEHHA HaNpsiKeHHd HU3KOI YacTOTH.



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	340 mA	Published heater current.
Transconductance	2100 μ S	Published characteristic; normalized to μ S.
Amplification factor	100	Published characteristic.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	250 V	Published limiting operating value.
Maximum plate dissipation	1 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 ') 23+05mA
I	340+35 mA	Published datasheet line: I, 340+35 mA S1) 225+045 mA
U	250 V	Published datasheet line: U, 250V pl) 100%5

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
R	1 Q	Published datasheet line: R, 1) 600 Q
Cox	2 pF	Published datasheet line: Cox 2:25%0,45 pF C gla O,7+0'1 pF
Cal)	2,3+05 pF	Published datasheet line: Cal) 2,3+05 pF C ala2 < 0,15 pF
Cae)	2,506 pF	Published datasheet line: Cae?) 2,506 pF
U	7 V	Published datasheet line: U, 7V 57V
U	300 V	Published datasheet line: U, 300 V
P	1 w	Published datasheet line: P.1) 1w
I	10 mA	Published datasheet line: I, 10 mA
Uy	100 V	Published datasheet line: Uy 100 V
RL	5 MQ	Published datasheet line: RL 05MQ

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U	7 V	Published datasheet line: U, 7V 57V
U	300 V	Published datasheet line: U, 300 V
P	1 w	Published datasheet line: P.1) 1w
I	10 mA	Published datasheet line: I, 10 mA
Uy	100 V	Published datasheet line: Uy 100 V
RL	5 MQ	Published datasheet line: RL 05MQ
PublishedValue	=250 V	Published datasheet line: =250V



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	1.5 V	при 0ч=6,3 В, П4=250 В, Ис=—1,5 В
Published electrical parameter	5.5 V	(при 0,=—5,5 В), мкА и — «< < <20
Published electrical parameter	57 V	То же при 0ц=57 В , \$1,5 э1,4 — —
Published electrical parameter	10 kΩ	=10 кОм), мВ . , , ... «2150 2100 50 —
Published electrical parameter	2 h	входная ке 2,25-+0,45 2,35+0,35 2ч35i8'35 1,25