



ELECTRONIC TUBE REFERENCE

6N8S

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Russian medium-mu double triode designed for low-frequency voltage amplification, with a documented guaranteed service life of 2,000 hours.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.003 S
AMPLIFICATION FACTOR	21.5
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2.75 W
MAXIMUM CATHODE CURRENT	20 mA
Bilingual Russian/English datasheet; English text used as primary extraction source.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.003 S
AMPLIFICATION FACTOR	21.5
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2.75 W
MAXIMUM CATHODE CURRENT	20 mA
Second physical triode section; added to align rows with SectionCount.	

The 6H8C double triode is designed for ampli- JICHHSt HaNpSXKEeHHs] HU3KOH YacTOTHL fication of low-frequency voltage.



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	600 mA	Published heater current.
Transconductance	2600 μ S	Published characteristic; normalized to μ S.
Amplification factor	20	Published characteristic.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	330 V	Published limiting operating value.
Maximum plate dissipation	2.75 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 Uy -8V SN 3x1mA/V
I	600 mA	Published datasheet line: I, 600%% mA LY 9t mA pl 21,5%35

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U	250 V	Published datasheet line: U, 250V
CgI x	3 pF	Published datasheet line: CgI x 3pF
Cak	1,2 pF	Published datasheet line: Cak 1,2 pF
Cgla	4 pF	Published datasheet line: Cgla 4 pF
U	69 V	Published datasheet line: U, 69V 57V
U	330 V	Published datasheet line: U, 330V
P	275 W	Published datasheet line: P, 275W
I	20 mA	Published datasheet line: I, 20 mA
Uy	100 V	Published datasheet line: Uy, 100V
Rgr	0,0 MQ	Published datasheet line: Rgr 0,0 MQ
PublishedValue	1 mA	Published datasheet line: 1 '150%/ [y mA lrp]*

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U	69 V	Published datasheet line: U, 69V 57V
U	330 V	Published datasheet line: U, 330V
P	275 W	Published datasheet line: P, 275W
I	20 mA	Published datasheet line: I, 20 mA
Uy	100 V	Published datasheet line: Uy, 100V
Rgr	0,0 MQ	Published datasheet line: Rgr 0,0 MQ
PublishedValue	1 mA	Published datasheet line: 1 '150%/ [y mA lrp]*
/ / y s	50 a	Published datasheet line: ; / / y s ;50 p Ay P a, " ____
(	9 V	Published datasheet line: ({9, V-18 -76 14 -12 -10 -8 -6 -4 -2 0 50 100 150 200 Uy,



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
Nominal heater voltage	6.3 V	Published source value
Nominal heater current	600 mA	Published source value
Transconductance	3000 uS	Published operating point
Amplification factor	21.5	Published operating point
Guaranteed service life	2000 h	Published source value

TUBE TINKER

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