



ELECTRONIC TUBE REFERENCE

6S2P

Voltage - Triode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Russian high-frequency triode designed for high-frequency voltage amplification in receiving and general electronic equipment.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.012 S
AMPLIFICATION FACTOR	48
MAXIMUM PLATE VOLTAGE	69 V
MAXIMUM PLATE DISSIPATION	25 W
Published electrical characteristics and permissible ratings promoted where OCR labels were unambiguous; remaining published numeric table entries retained in TUBE_SECTION_PARAMETER.	

High-frequency triode BricokouyactoTaeii Tpuoa 6C2I1 npensasnauen The 6C2IT high-frequency triode is designed for High-frequency triode

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Russian

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

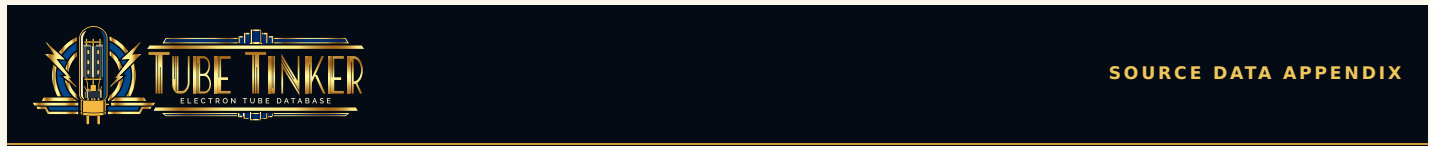
195X RUSSIAN

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
BricokouyactoTaeii Tpuoa	6	BricokouyactoTaeii Tpuoa 6C2I1 npensasnauen The 6C2IT high-frequency triode is designed for
BBICOKO!l	3	BBICOKO!l 4aCTOTHl B CXeMax C 3a3eMJIEHHON ceTKOf. quency oscillations in grounded-grid circuits.
Bricokouacrotnble Tproasl	6	Bricokouacrotnble Tproasl 6C2I1 BeimycKatoTes The 6C2IT high-frequency triodes are miniature
B MHHUAATIODHOM O(DOPMJIEHHH, B CTeKJAHHOM	6	B MHHUAATIODHOM O(DOPMJIEHHH, B CTeKJAHHOM 6aJ- devices enclosed in glass bulb and provided with
Bricokouactoreble Tpuoan	6	Bricokouactoreble Tpuoan 6C2IT yeroitupser K The 6C2IT high-frequency triodes are resistant
npu temnepatype	100 A	npu temnepatype +40°C, a TakxKe K BO3meliCTBMIO as to mechanical loads: linear loads up to 100 g,
MeXaHMYeCKUX Harpysok: JuHeduwX go	2.5	MeXaHMYeCKUX Harpysok: JuHeduwX go 100 g, Bu- vibration loads up to 2.5 g and multiple impact
OpaunuoHHBIX N	12	OpaunuoHHBIX N0 2,5 g, YAAPHBIX MHOTOKPATHEIX [0 loads up to 12 g.
lapantupoBaunas ponaroseuxHocts	2000	lapantupoBaunas ponaroseuxHocts 2000 wacos. Service life guarantee: 2000 hr.
Published electrical value	1	1y Jasi aBTOMaTHYECKOro CMEILCHHI.
Cglk	0.6 pF	Cglk 53+1,3 pF Cgla 4,2+0,6 pF
NPEAEJBbHO AONYCTUMbBIE	3	NPEAEJBbHO AONYCTUMbBIE 3KCIJIYATALLUOHHE JAHHBIE
BeicokouacToTHBIH TpHOA	5	BeicokouacToTHBIH TpHOA 5 Czrl
Published electrical value	19	19 max

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
JET b i	0	JET b i 0

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Haubonvmuit sec	15	Haubonvmuit sec 15 e Maximum weight: 15 gr.



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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol u,	63 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol S	12+3.0 mA/V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	150 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cg _{lk}	53+1.3 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cg _{la}	4.2+0.6 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cu	0.17+07 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol H	5 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol Uy	69 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Uy,	100 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	165 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Rg	0.25 MΩ	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol P,	25 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.



SOURCE DATA APPENDIX

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
Heater current	410330 mA	Translated from Russian source; OCR line: Ток накала . , (410330) mA
Plate current	-5.5 mA	Translated from Russian source; OCR line: Ток анода . , (13,5=-5,5) mA
Transconductance	-2.5 mA/V	Translated from Russian source; OCR line: Крутизна характеристики . . 5.» (11,5=-2,5)mA/B
Amplification factor	-12	Translated from Russian source; OCR line: Коэффициент усиления . 48--12

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service life	22000 h	Translated from Russian source; OCR line: Нарботка , , 22000 ч
Heater voltage	6.9 V	Translated from Russian source; OCR line: Напряжение накала . , , 5,7—6,9 В
Plate voltage	165 V	Translated from Russian source; OCR line: Напряжение анода . , , 165 В