



ELECTRONIC TUBE REFERENCE

6S20S

Triode - HV Shunt Regulator electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Russian high-voltage triode for specialized electronic service. Available source material does not establish a narrower functional category confidently.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.00025 S
MAXIMUM PLATE VOLTAGE	25000 V
MAXIMUM PLATE DISSIPATION	25 W
MAXIMUM CATHODE CURRENT	150 mA
Published electrical characteristics and permissible ratings promoted where OCR labels were unambiguous; remaining published numeric table entries retained in TUBE_SECTION_PARAMETER.	

High-voltage triode BricokoBosibTHHI TpHoa 6C20C npeanasnaueH The 6C20C high-voltage triode is used in tele- High-voltage 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.

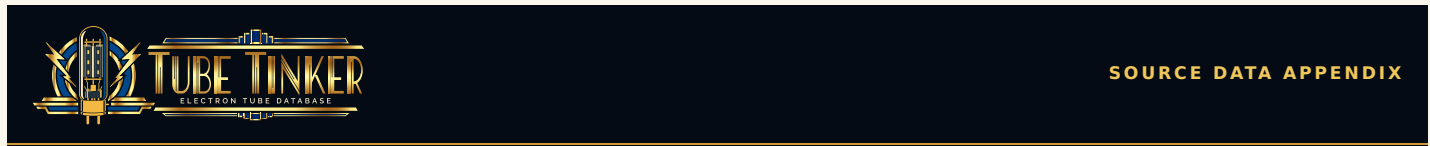
195X RUSSIAN

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
BricokoBosibTHHI TpHoa	6	BricokoBosibTHHI TpHoa 6C20C npeanasnaueH The 6C20C high-voltage triode is used in tele-
BricokososbTHble Tproasl	6	BricokososbTHble Tproasl 6C20C BuimycKaoTCst The 6C20C high-voltage triodes are enclosed in
BricokoBosnbTHEIe TpHOAK	6	BricokoBosnbTHEIe TpHOAK 6C20C ycroituuBel K The 6C20C high-voltage triodes are resistant
npu temneparype	40 A	npu temneparype +40°C, a Takxke K BO3MefICTBHIO as to mechanical loads: vibration loads up to
MEeXaHHUeCKUX HATPY	12	MEeXaHHUeCKUX HATPY3OK: BHOPANMOHHBIX A0 2,5 g, 2.5 g and multiple impactloads up fo 12 g.
YAapHBIX MHOTOKpAaTHHIX g	12	YAapHBIX MHOTOKpAaTHHIX g0 12 g.
FapanrupoBannas pmoaroseunocts	750	FapanrupoBannas pmoaroseunocts 750 wacos. Service life guarantee: 750 hr.
Cox	0 pF	Cox 25 PF C.,, gla <0, pF
Chuo	7 pF	Chuo 07 pF
NPEJEJNIBBHO HONYCTHUMBIE	3	NPEJEJNIBBHO HONYCTHUMBIE 3KCNJYATAUUOHHBIE JAHHBIE
p –	200	p –250V Téa.zmoua 200° G
Pa	25 W	Pa 25 W bulb
Published electrical value	1	1) Ilpy BK/IIOUEHHHM Ha XOJOJHYIO JaMIy.
Published electrical value	8	8min
/ /I	4	/ /I 4 JAN 4 // ,/ //

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
'''' Pa max Up=	63	'''' Pa max Up=63V U, =63V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HauGonemuit sec	80	HauGonemuit sec 80 e. Maximum weight: 80 gr.



SOURCE OPERATING CONDITIONS

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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 I,	20020 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	25 kV	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cox	25 PF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Chuo	7 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cox	25 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol h	69 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol L	1.5 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol V	40 kV	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol R,	5 MΩ	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Pa	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
Published electrical parameter	12 V	при Ш:=6,3 В, И:=25 кВ, I _г =1 мА, (, от —6 до —12 В
Reverse current	<1.5 μA	Обратный ток сетки <1,5 мкА
Published electrical parameter	<20 μA	между сеткой и всеми электродами . <20 мкА
Published electrical parameter	<50 μA	между катодом и подогревателем . <50 мкА
Published electrical parameter	2.5 pF	входная . 2,5 пФ

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical parameter	0.7 pF	выходная . ЯИ 2 .. 0,7 пФ
Published electrical parameter	<0.1 pF	проходная <0,1 пФ
Service life	2750 h	Наработка — 2750 ч
Transconductance	20.12 mA/V	крутизна характеристики 20,12 мА/В
Heater voltage	5.7–6.9 V	Напряжение накала 5,7—6,9 В
Plate voltage	25 kV	Напряжение анода . . . в 25 кВ
Published electrical parameter	40 kV	То же при включении лампы . с 40 кВ
Published electrical parameter	250 V	Напряжение сетки отрицательное . . . , 250 В
Published electrical parameter	225 V	Напряжение между катодом и подогревателем . , 225 В
Plate current	1.5 mA	Ток анода . . . К, 1,5 мА
Dissipation / power	25 V	Мощность, рассеиваемая анодом . . г 25 Вт
Resistance	0.5 MΩ	Сопротивление в цепи сетки , 0,5 МОм
Frequency	50 Hz	ускорение при вибрации с частотой 50 Гц . . 2,5р
Published electrical parameter	30 mA	при 0,=6,3 В, И,=110 В, 14==30 мА
Heater current	0–185 mA	Ток накала . 0—185 мА
Published electrical parameter	>202 mW	То же при 0,=5,4 В, О(,,ЮОВ. > 202 мВт
Heater voltage	7 V	Напряжение накала , 7 В
Dissipation / power	6 V	Мощность, рассеиваемая анодом . . ,6 Вт
Frequency	5 a	ускорение при вибрации с частотой 50 Гц . 5а

TUBE TINKER

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