

Russian output beam tetrode designed for low-frequency power amplification, providing compact audio-output service from conventional receiving-tube supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 500 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
PLATE RESISTANCE	42500 Ω
TRANSCONDUCTANCE	0.0049 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	12 W
MAXIMUM SCREEN DISSIPATION	2.5 W
MAXIMUM CATHODE CURRENT	70 mA
Published electrical characteristics and permissible ratings promoted where OCR labels were unambiguous; remaining published numeric table entries retained in TUBE_SECTION_PARAMETER.	

BrixogHo#i syueBoit Terpom 6I1tI1 mpennasna- The 6IT1IT output beam tetrode is designed for Output beam tetrode Output beam tetrode

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 · Beam Power

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical value	61	61T BeixonHo# JyueBoil TeTpon
BrixogHo#i syueBoit Terpom	6	BrixogHo#i syueBoit Terpom 6I1tI1 mpennasna- The 6IT1IT output beam tetrode is designed for
Brixonnbte sqydeBhie Terpoanl	6	Brixonnbte sqydeBhie Terpoanl 611111 BhimyckaroT- The 6ITIIT output beam tetrodes are miniature
Brixonubie smydeBsie Tetpoxnt	6	Brixonubie smydeBsie Tetpoxnt 611111 ycrofiunBbi The 6ITIIT output beam tetrodes are resistant
opu Temneparype	100 A	opu Temneparype +40°C, a Takxke K BO3IEHCTBHIO as to mechanical loads: linear loads up to 100 g,
MeXaHHUeCKHX Harpy	2.5	MeXaHHUeCKHX Harpy3ok: JauHelHbx o 100 g, Bm- vibration loads up to 2.5 g and multiple impact
GpaldOHHBIX	12	GpaldOHHBIX 10 2,5 g, yZapHBIX MHOTOKPATHBHIX A0 loads up to 12 g.
FapantupoBannasi noaroseyHocTs	3000	FapantupoBannasi noaroseyHocTs 3000 wacos. Service life guarantee: 3000 hr.
Published electrical value	3	3NEKTPUYECKHE JAHHBLIE
Cglk	8 pF	Cglk 8 pF
Cak	5 pF	Cak 5 pF
Cgla <	0.9 pF	Cgla < 0,9 pF
NPEOEJBHO AONYCTUMBIE	3	NPEOEJBHO AONYCTUMBIE 3KCINJAYATALHOHHBIE JAHHBIE
— — Iy Ugy =	250 V	— — Iy Ugy =250 V
Published electrical value	6	6 — I I—I BoixonHoi syueBoil Tetpop

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Py, ki=	1	Py, ki=1(Ugi~ex) P, ky =1(R,)
Published electrical value	88	1 Ra =5 kQ Ugi et =88V
VARV	114	VARV4 114
Published electrical value	80	80 JARVIR.N
[Uf	4	[Uf 1) /)4 SINI5Y
Published electrical value	1	/1 / VAIrD4N4
Ugt	1	Ugt1mg" 150V 12571 1
Published electrical value	12 A	X 12 WAL A
[N	8	[N 75v__ 8 N/ N paviy
Published electrical value	1	< 08 LIV fij\._ 1 RPN ISUANP dNE
gl :I\ .] E iy, ?:'\' Uytime	150	gl :I\ .] E iy, ?:'\' Uytime 150V ' ~ fi i < [/ynm =150V
Published electrical value	3	3 g5 Loy
S STD	8 V	S STD 1 a0y /8 — T+ v
Published electrical value	500	0 100 200 300 400 500 UgV g 100 200 300 400 500 UpgV
Ia imp? Ig	1 A	Ia imp? Ig2 imp? Igl imp = f (Ua) I a imp® Lyt imp =1 (Ua)
~ — ~ Ly tmp Ugy =	250 V	~ — ~ Ly tmp Ugy =250 V (triode connection)
_____ Lg	63	_____ Lg2 imp fimp =1 kHz ly imp U,=63V
T=	2	T=2 us - = —lgiimp fimp

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Hauboasmusi Bec	20	Hauboasmusi Bec 20 e Maximum weight: 20 gr.



SOURCE DATA APPENDIX

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

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 U,	~125 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I,	50050 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	20 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I	<7 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol S	49 mA/V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Uy,	250 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol P,	>35 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol R,	42.5 kΩ	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cglk	8 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cak	5 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cgla	< 0.9 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol U,	69 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol V	2.5 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	250 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I,	70 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Ug2	250 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 P,	12 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.