



ELECTRONIC TUBE REFERENCE

6P6S

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Russian beam-power tube documented in bilingual technical literature, intended for electronic power amplification; available source does not clearly support a narrower functional category.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	52000 Ω
TRANSCONDUCTANCE	0.0040999999999999995 S
MAXIMUM PLATE VOLTAGE	180 V
MAXIMUM SCREEN VOLTAGE	310 V
MAXIMUM PLATE DISSIPATION	13.2 W
MAXIMUM SCREEN DISSIPATION	2.2 W
<i>Published electrical characteristics and permissible ratings promoted where OCR labels were unambiguous; remaining published numeric table entries retained in TUBE_SECTION_PARAMETER.</i>	

BeamPower vacuum tube from a bilingual English/Russian source.

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
Лламара or тума	6	Лламара or тума 6I16C ce vrnorpebsaBa B H3XOASIUHTE CTLOANE HAa OOOIIIHHCTBOTO Mpe-
AP	663 W	AP3—51 u ,AP3—52%, ,Pexopn” n ,Kama*, B npuemuunure or II wxmac W—663%, ,,Pura®,
“Baxy” U B IpPHEMHHKAa OT IIbPBH KJjac ,Pura—	10	“Baxy” U B IpPHEMHHKAa OT IIbPBH KJjac ,Pura—10¢.* Tasu namia e NONydma TAKOBA IIHPOKO
Ue mma H0OpH CIEKTPHUECKI TapaMeTDH ¥ XAaKTeDHCTHKH: TA [	3	Ue mma H0OpH CIEKTPHUECKI TapaMeTDH ¥ XAaKTeDHCTHKH: TA [03BOJIABA Ja <€ yCIIH MOI-
HOCTT	0	HOCTT2 Ha eNEeKTPHYECKHTE TPENTEHHs C HHUCKA YeCcToTa 0 HAKOJKO BaTa IOYTH 0e3 H3KpUBi-
Pasmepure Ha namnara	1	Pasmepure Ha namnara 6116C m HelinmAaT WMOKBA ca faasnenu Ha dur. 1 Лламара uma
CTHKIIEH	6	CTHKIIEH 0alioH ¢ HmiuHApmyHa (opma H KapOOJMUToB OKTAaJIeH LOKBI CBC 6 Kpauera. UYacr or
BLTpEUIHATA MOBbPXHOCT Ha	0	BLTpEUIHATA MOBbPXHOCT Ha 0asnoHa, KOSATO OOKDBIKABA HENOCPEaCTBEHO EJICKTPOAHTE HA JIaM-
mara, e TIOKpHTA C THLHDLK CHOM CaKAH; KYHONLT Ha 0aroHAa He e	33 A	mara, e TIOKpHTA C THLHDLK CHOM CaKAH; KYHONLT Ha 0aroHAa He e 3auepHeH, 33 [a MOXKE fa ce
Opuchiny um npushaxa	1	Opuchiny um npushaxa: 1) ¢ pasclioeHHe Ha €JieK-
HAaBHBKUTE Ha yNpaBigBamara pelleTka H	2	HAaBHBKUTE Ha yNpaBigBamara pelleTka H 2) ¢ Io-

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
aHoga C TIOMONITA Ha TIOJisIM HPOCTPAHCTBEH	33	aHoga C TIOMONITA Ha TIOJisIM HPOCTPAHCTBEH 33pAMd,
oOpasyBan] Cce MeMAY eKPanHaTa pelneTka (	3	oOpasyBan] Cce MeMAY eKPanHaTa pelneTka (3acioHa)
Published electrical value	30	<30 maox
Published electrical value	85	85 rraa
Dur	2	Dur, 1 Dur. 2
Jlammara	6	Jlammara 6I16C e mampaBeHa KOHCIDYKTHBHO Taka, ue B Hes ce cnOupopaBar moGpe jBere
ynomeHatu ycnosua. Ha ϕ wur	6	ynomeHatu ycnosua. Ha ϕ wur, 2a ca noxasaHm enexrpopure na nammata 6I16C. Ha ϕ owna Ha
OKCHAHATA MOKPHBKA HA Karofga ce BIMKAAT aodpe	40	OKCHAHATA MOKPHBKA HA Karofga ce BIMKAAT aodpe 40 HaBHBKH Ha BTOpara pellerka. HaBus-
Published electrical value	4	4ai HafsICHO) CTPAHA M CbC CHUIATA CTBOKA, KAKTO M HABHBKHTe Ha BTOPaTAa pelleTKa U ce
IOKpuBAaY C mocnienHara. [TomoOH0 YCTpOMCTPO Ha pelleTKaTa €	33	IOKpuBAaY C mocnienHara. [TomoOH0 YCTpOMCTPO Ha pelleTKaTa €6 HBHABA KaTO 33 bLIDKUTeIH:
Karogwer	3	Karogwer 2 nanammnara 6I16C e ϕ MHOMpEKTHO 3arpsBaHe, C CJIHICOBH/IHO CCUEHHE, OK-
ran	2	ran 2 BHY" H FHra— C€ HamHpaT B TIpOgarkoa y Hac.
HapupBkHTe Ha PEIIETKUTE €	3	HapupBkHTe Ha PEIIETKUTE €3 HABHTH OT MOIMOACHOB HUKETIEPaH NPOBONHYK C JHAMETED
Published electrical value	0.08	0,08 mu. CroixuTe Ha MHPBATA PEIETKA Ca HANMpaBeHY OT HUKETIUPEH MeA€H NMPOBOSHUK C AHa-
MeThD	1	MeThD 1 Mu, KOeTO OOesneuana MOGPO OTBEM(AHE HA TONIMHATA, TIOJlyeHa OT HABMBKUTE HA PEIIE-
CTHHKA	3	CTHHKA 3, Ca 3aIOCHM KbM CKOOKara 4, HampaBeHa OT JIEHTa IO "epHEH HHMKEN M CiyXema 3a
BA)KH0	3	BA)KH0 3HAYCHNE, ThA KaTO B Cliyauai we TA ce MOperpee, BBHIHUKBA PEICTHYHA TEPMOECNEK-

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
camo	0.2	camo 0,2 mm, PAa3CTOABMETO Mem/Ay KATONA M HABHBKHTe HA BTOpaTa pelierKka JOCTHTa OKOJO
Published electrical value	1.4	1,4 mx. BecneacTsne Ha TOBa BTOpATA peileTKAa MOINILOE CAMO HE3HAUMTE/IHA YacT OT TOIUM-
EKpaHHpaliaTa PeliETKHY € MoKa	3	EKpaHHpaliaTa PeliETKHY € MoKa3ana Ha (ur. 3.
CTOB HHKeJ IMOJIOBMHKH	3	CTOB HHKeJ IMOJIOBMHKH, 3a10eHM KbM CTabHIHH
Published electrical value	3 mA	3a ma Ce yBeNHYM TOIIOOTLEISHETO, C IEN Aa
Ilenuar	6	Ilenuar 6nox Ha MeTaxmara KOHCTPYKYUA € y . owescmia
Published electrical value	4	3aKPEMEH Ha CTBKJIEHA [OCTABKA, HA KOATO 4 MOH-
BEIIECTBO (rerep). EAHa oT Tesd miouku	7	BEIIECTBO (rerep). EAHa oT Tesd miouku 7 ce BIKOA Tasveodoaryt i z'fi_f/p'ai'}
Ha 4ur	2	Ha 4ur. 2. MexaHHyecKaTa AKOCT Ha KOHCTPYKIHATA
Ha nammaTta 4e OoCHrypsBa OT ABE CTcikM –	3	Ha nammaTta 4e OoCHrypsBa OT ABE CTcikM — 8, Dur. 3
CHO4HM B CTHKJICHAAaTa HOCTaBKa. Ha TaAX ca	3	CHO4HM B CTHKJICHAAaTa HOCTaBKa. Ha TaAX ca 3axpe-
OEHH aHOABT	3	OEHH aHOABT 6 M CHIOAeHATA INNACTHHKA 3.
Published electrical value	33	B 1950 roauma e 6uno 3aGens3aHo, e egHa OT NPUYMHATE 33 HM3JM33HETO HA JIAMIATA
Published electrical value	4	6I16C OT cTpos 4 BIOINABAHETO HA HEHHMA BaKyyM Ipe3 Bpeme Ha paGoTa. VI3BecTHa 4acT OT
CJICKTPOHUTC, OTAECNSAHM (EMHUTHPAHM) OT KATOAA, KATO BJETAT	3	CJICKTPOHUTC, OTAECNSAHM (EMHUTHPAHM) OT KATOAA, KATO BJETAT 3a7 IpeaesiuTe HA aHOAA, C€ ya-
PAT BBB BBLIPEUIHUTE CTECHM Ha	0	PAT BBB BBLIPEUIHUTE CTECHM Ha 0aIOHA ¥ M3OGMBAT BTOPIUYHHM ENeKTPOHM, KOMTO C€ HAacousaT
b Hg	5	b Hg3 LICTIE : 05 OBEHC
€€ CBOPOBOM/A C ONEJO BHOJIETOBO-PO	3 A	€€ CBOPOBOM/A C ONEJO BHOJIETOBO-PO3OBO CBETCHE (CHAHME) M UYCCTO [OTPEIHO Cce B3cMa 3a

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
€JICKTPOHH CTaBa YaCTHYHO Pa 0	0	€JICKTPOHH CTaBa YaCTHYHO Pa3NiaraHe HA CTBLKJIOTO, & ChIUIO Taka M OCBOOOXKAIBaHE HA HaMH-
B HETO IIPHMECH, KOETO JOBEXKAA [	0	B HETO IIPHMECH, KOETO JOBEXKAA [0 BHOIIBaHe Ha Baxkyyma., MeTtansuar Oapn
JI	0	JIOTO Ha 0ajoHa M NpeAM3IBUKEA MPOrPECHPAIO MNajaHe Ha eMHCHATA.
BeumauaT Bua na namnata	26 mA	BeumauaT Bua na namnata 6I16C e pagen ma cur. 26. B cnoTBeTCTBHE ¢ OOLUMTE TeX-
HMYECKM YCIOBHA HA	0	HMYECKM YCIOBHA HA 0anora Ha NaMIara € MOCTABEH HEeHM3TPHBAIN ce [eyaT ¢ obo3HaueHHe Ha
THIIA Ha J	33	THIIA Ha J1amnaTa, (aGpHuysna HOMEp HAA 33BOA-IPOUSBOMAMTEN, MECela M TOJMHATA HA IMPOU3-
BOACTBOTO. HanrurocTra Ha neuara mHa xouTponata OTK cny»k# @aTo CBHAETENCTBO	3	BOACTBOTO. HanrurocTra Ha neuara mHa xouTponata OTK cny»k# @aTo CBHAETENCTBO 3a TIOX-
HOCTT	3	HOCTT2 HA JaMIara IIpH NyCKaHeTO I OT 3aBoJa-TPOHIBOLHTEIN.
Published electrical value	6	3a nammnara 6I16C ca yCTAHOBEHM CHELHNTI IPEACHHM HOPMM HA HATPEKCHMATI U MOM[-
MaxcumamHo Hampeyxenua Ha oTomNeHMETO Ujpa « + » « « -+«	1.08	MaxcumamHo Hampeyxenua Ha oTomNeHMETO Ujpa « + » « « -+« . . 1,08
MueuManso Hampe)xem#e Ha OTOICHMETO Ugmpm - + + - « « - +	5.78	MueuManso Hampe)xem#e Ha OTOICHMETO Ugmpm - + + - « « - + . 5,78
Maxcumanso » » amona Ugmaxe - + « = « - « «	350	Maxcumanso » » amona Ugmaxe - + « = « - « « . . 350 &
» . »	310	» . » 3acmoHa Usmpare - ¢ - + - » - . . 310 ¢
" MEXZAY OTOIJIEHHETO M KaToaa	100	. " MEXZAY OTOIJIEHHETO M KaToaa 100 s
" pascesHa MOIHOCT HA aHOAA Pypaxe - -« « -«	132	" pascesHa MOIHOCT HA aHOAA Pypaxe - -« « -« . . 132 am
» - " Ha	6	» - " Ha 3aCNOHA Pypaxe - - - - - . 2.2 6m
» CBIIPOTHEBJIEHUE BbB BEPHTAaTa HA I'bpBaTa peiieTka R, yaxc	1	» CBIIPOTHEBJIEHUE BbB BEPHTAaTa HA I'bpBaTa peiieTka R, yaxc 1,0 meom

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HanmurBareldusaT peyXuM, IPH KORTO ce oIpeesisi ChOTBETCTBHETO Ha nammnata	6116	HanmurBareldusaT peyXuM, IPH KORTO ce oIpeesisi ChOTBETCTBHETO Ha nammnata 6116C c
Hanpemenne Ha otomienmero U	63	Hanpemenne Ha otomienmero U, ... 63
» » amoma U	250	» » amoma U, ... 250 e
' sacnoma U; e e e	250	' sacnoma U; e e e 250 ¢
Hpenaanpemennero HA YODAABJIABAMIATA DEUIETKA U e s e e . -	-1250	Hpenaanpemennero HA YODAABJIABAMIATA DEUIETKA U e s e e . -1250¢
Hanpemenue MEXTY OTOILIEHHMETO W KATOAA - e e	100 W	Hanpemenue MEXTY OTOILIEHHMETO W KATOAA - e e +100 ¢
Published electrical value	88	M3MepBaHe Ha wusxoadmara mourwoct Up . . 88 ¢
C'bUpOTHBHeHHeHAa TOBapa opHn usmepBaHe Ha M	5000	C'bUpOTHBHeHHeHAa TOBapa opHn usmepBaHe Ha M3KOMAMATA MOLHCCT Ra 5000 ona.
Ha JIaMIIATA	6	Ha JIaMIIATA 6H6C
Published electrical value	3	3HAYCHUE 3HAYEHHE 3HaueHHe eAMHUIA
TOK B OTOHNINCHHETO . . +« . « + - o	490 mA	TOK B OTOHNINCHHETO . . +« . « + - o . 0,41 0,45 0,49 a
Anmomenn TOK « v . o	57 V	Anmomenn TOK « v . o 4 . . 33 45 57 Mma
Tox BBLB BTOpaTa peilleTka (	7.5 mA	Tox BBLB BTOpaTa peilleTka (3acmon) . — : — 7.5 Ma
Published electrical value	20	O0OparcH TOK BBB IlbpBATa peilleTHA . — [— 20 MKQ
BpTpeirHo CHOPOTHUBIEHHE . . . - . - i	52	BpTpeirHo CHOPOTHUBIEHHE . . . - . - i 52 KoM
HMsxofama momAoCT	3.6	HMsxofama momAoCT 3,6 - — om
KoeduumeHT Ha XapmormyHaTa . . . -	8	KoeduumeHT Ha XapmormyHaTa . . . - 8 — %



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 · Beam Power

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 I12	5 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I,	45040 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I	46+13 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol S	4.1+1.1 mA/V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol E,	250 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Iy	7.5 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol R,	52 kΩ	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Ugy	250 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol P.l	36 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol MEXIOY	3 A	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol Cglk	9.56+1.6 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cak	6.5+2.7 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Cgla	<09 pF	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol U,	7 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Uy	180 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Ugo	310 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol P,	132 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol TGa.nJI0Ha	210 °C	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol Pyo	22 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

TUBE TINKER

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