



ELECTRONIC TUBE REFERENCE

6P27S

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Russian beam-power tube documented in bilingual technical literature; available source material does not clearly establish a narrower specialized functional role.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 1.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	3000 Ω
TRANSCONDUCTANCE	0.01 S
MAXIMUM PLATE VOLTAGE	800 V
MAXIMUM SCREEN VOLTAGE	425 V
MAXIMUM PLATE DISSIPATION	27.5 W
MAXIMUM SCREEN DISSIPATION	8 W
MAXIMUM CATHODE CURRENT	150 mA
<i>Promoted ratings and characteristics translated from the filename-designated Russian entry only.</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
BbIX0JAHOM JIYYEBOM TETPOJ, i	61127	BbIX0JAHOM JIYYEBOM TETPOJ, i 61127C
[lo texnuyeckum ycaoBusim CB	302.025	[lo texnuyeckum ycaoBusim CB3.302.025 TY
Bec wambosbmua	65	Bec wambosbmua 65 ¢
CXEMA COEOMHEHHA	2	CXEMA COEOMHEHHA 2SJIEKTPOOOB C BBIBOIAMU
Published electrical value	6	1 — He MoOAKJ/IOUEH 6 — He MOOKJIIOUEH
Published electrical value	1	2 — 1nojorpesare/ib / — NOJ0orpeBaTedb
Published electrical value	8	3 — aHox 8 — Katon; M Jy-
Published electrical value	4	4 — ceTKa BTOpas manHH{I t
Hamnpsaxenune nakana (~ uiau =)	6.3	Hamnpsaxenune nakana (~ uiau =) . . 6,3 s
Tok Hakama o	150 mA	Tok Hakama o 1,6+0,15 a
Hanpsxenne awmoga (=) . . . o	250	Hanpsxenne awmoga (=) . . . o 250 s
Hanpsixkenue cerkn BTOp0it (=)	265	Hanpsixkenue cerkn BTOp0it (=) . 265 s
Hanpsikenne cetkn mepsoit (=) MHHYC	13.5	Hanpsikenne cetkn mepsoit (=) MHHYC 13,5 &
Toks avona . . . o . L	10025 mA	Toks avona . . . o . L . 10025 ma
Tok cetkm BTOpOH . . . , . He Oonee	15	Tok cetkm BTOpOH . . . , . He Oonee 15 wma
BeixogHass MOWIH0CTL O L He MeHee	87	BeixogHass MOWIH0CTL O L He MeHee 85 87
KosdduineHT HeNHHERHBIX HCKaxeHuui ©	8	KosdduineHT HeNHHERHBIX HCKaxeHuui © . . . 8%
KpyTH	3 mA	KpyTH3Ha XapaKTEΦPHUCTHKH 10+3 ma/s
BHyTpeHHee compoTHBJEHHE	15	BHyTpeHHee compoTHBJEHHE 15 Kom

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Joaroseunocty (mpu roaumoctd	500	Joaroseunocty (mpu roaumoctd 90%) . . He MeHee 500 «
BHIXOJHAA MOWIHOCTB O HE MeHee	87	BHIXOJHAA MOWIHOCTB O HE MeHee 7 87
O Ilpu nepemeHHOM HanpsSIXeHHm ceTKH mneppolt	3	O Ilpu nepemeHHOM HanpsSIXeHHm ceTKH mneppolt 8,7 e (3ϕd.) ®m conpoTuBIeHHH
e aH0na	2	e aH0na 2 KOM.
Published electrical value	127	6[127C ' BLIXOJHOHM JIVYEBOH TETPOQ.
Bxoainaa . . S S	15	Bxoainaa . . S S 15 ng
Buixognasi	11	Buixognasi 11 ng
[Ilpoxonuas . . o He GoJsee	1	[Ilpoxonuas . . o He GoJsee 1 ng
[MPEAEJ/JIBHO HOOIITYCTUMBIE	3	[MPEAEJ/JIBHO HOOIITYCTUMBIE 3IKCIUIYATAIUMOHBBIE OJAHHDBIE
Hauwbo0JIBIlee ' e	6.9	Hauwbo0JIBIlee ' e 6,9 s
HaWMeHbllee	8	HaWMeHbllee 0,7 8
Han	800	Han6Gonbiuee HanpsxeHwe aHoga (=) 800 s
mel (=)	2	mel (=) 2 Ke
HauGoJsplilee HanpsikeHHe CETKH BTOpoOM (=)	6	HauGoJsplilee HanpsikeHHe CETKH BTOpoOM (=) . 425 6
HOH JlaMnbl (=) « o v o	800 V	HOH JlaMnbl (=) « o v o . - 800 s
HaubGonbuias MOILIHOCtb, pacceyBaeMas aHOILOM	8	HaubGonbuias MOILIHOCtb, pacceyBaeMas aHOILOM 27,5 8T
BTOPOH « « v o o v o o . . c e	8 V	BTOPOH « « v o o v o o . . c e 8 8r
Hau	150 mA	Hau6Goublunit TOK Katoga « . . . 150 ma
PH aBTOMATHYECKOM CMEIUEHHH	0.25	PH aBTOMATHYECKOM CMEIUEHHH 0,25 Mowm
NpH (HUKCUPOBAHHOM CMEIEHHH	0.06	NpH (HUKCUPOBAHHOM CMEIEHHH 0,06 Mom
HauGosabiiias rtemneparypa Gananona	250	HauGosabiiias rtemneparypa Gananona 250°C
gaubosblias C nmoc	70	gaubosblias C nmoc 70°C
muHyc	60	muHyc 60°
OTHocuTenbHas BaAaKHOCtl IpH Temnepatype	98	OTHocuTenbHas BaAaKHOCtl IpH Temnepatype 20° C 95—98%

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Hanps:kedHe HakaJgaa	8	Hanps:kedHe HakaJgaa 6,3 8
HanpsiakeHHe ceTkH BT0po#	8	HanpsiakeHHe ceTkH BT0po# 350 8
o Mo Konpaxeruu cemuu nepBod	8	o Mo Konpaxeruu cemuu nepBod, 8 S
OW*N	30	OW*N000LG MILAD YOW DOHD 30
HanpsixkeHue HakaJsa	8	HanpsixkeHue HakaJsa 6,3 8
Hanpsi:xxenue ceTku BTopol	400	Hanpsi:xxenue ceTku BTopol 400 &
On* NOagowg nyusdd Xow 'DPOHD X%	0	On* NOagowg nyusdd Xow 'DPOHD X%0
HanpsaxeHue HakaJsa	6.3	HanpsaxeHue HakaJsa 6,3 a8
HanpsaxenHe ceTkH BTopoit	8	HanpsaxenHe ceTkH BTopoit 300 8
Published electrical value	4	4 ; j #_ Lol o o ; 4 :} -
] [lpu Hanpsixeruu cemnu nepod	8	] [lpu Hanpsixeruu cemnu nepod,8 Tfe Ea
Published electrical value	4 A	80 -t --- ; * + 1 ---cdae _ _Tl TT .¢: .4--- [— -'—t—— t! e A i 4" - gwda
DW *	40	DW * 000 Wy NHWad ouw" DPOHD 40
— — — — CeTOYHO-aH00HBLIe (	10	— — — — CeTOYHO-aH00HBLIe (10 ceTKe BTOPOH)
HanpsizkeHHe nHaxkaJsa	8	HanpsizkeHHe nHaxkaJsa 6,3 8
HanpsaxxeHHe ceTKH BT0poli	250	HanpsaxxeHHe ceTKH BT0poli 250 s
Published electrical value	8	560 flou HanpsxeHuu cemnu nepbod, 8
oW 'NOd	40	oW 'NOd0WwY N1wadd vow '0PaHD 40y
Published electrical value	0	0 DOOHD ANHIKBOLDYY
R Eeasasamon	0	R Eeasasamon: 5 e B 0 nogdau nywad nnHaxsGUoH nd
Published electrical value	6	6I127C \ BLIXOIHOMN JIVYEBOH TETPOJ,
Hanpsixxenne HakaJsa	6	Hanpsixxenne HakaJsa 6,3 6
Hanosxenue anona	400	Hanosxenue anona 400 s
il llpu_Hanpsmenuu cemku-\$mopou	8	il llpu_Hanpsmenuu cemku-\$mopou,8 + eV LL0
Tok aroda, mok cemku	6 mA	Tok aroda, mok cemku 6mopoi, Ma
r N	111	r N 111 RRgyh } > J:+ -
* e gagun it	3	* e gagun it 3t
Hanpsweru	6	Hanpsweru2 cemxu nepbodl,6
Published electrical value	6	6I127C BLIXOJLHOM JIVYEBOH TETPOJ
Hanps:xenue Hakana	6	Hanps:xenue Hakana 6,3 6

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
= i===== '===EEE.EEE==EEEEEE=.= '=	55	= i===== '===EEE.EEE==EEEEEE=.= '=55=====55:.;:- _'E.=EEE=EE=
llllllllll ll I TI T	17	llllllll ll I TI T 17 AEEAVENDENEASEY SN EEEEERENDERERRNNEEY JNANE
AR NENENE = A TTT	1 A	AR NENENE = A TTT 1]
Published electrical value	4	[4 EREER
==	5 A	==5=_!E\$ }iieli' ==\$.!======'=- =====E=====A R
T lll Ny < = EERBAEN"	4	T lll Ny < = EERBAEN". 4NN SANSENENEN IIIII H
'J'IIIIIIIIIIIIIIIIIIII =r=ll,====-=====	288	'J'IIIIIIIIIIIIIIIIIIII =r=ll,====-===== 288"dANE T Lo
" "	55	" "55..!:E===:.....:Egii:EE'=ib



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 · Beam Power

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal heater voltage	6.3 V	Published source value
Nominal heater current	1.5 A	Published source value
Transconductance	10000 uS	Published operating point
Plate resistance	3000 Ohm	Published operating point

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

