

Russian sharp-cutoff high-frequency pentode designed for fixed-gain RF voltage amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	200000 Ω
TRANSCONDUCTANCE	0.0059 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	3.5 W
MAXIMUM SCREEN DISSIPATION	0.9 W
MAXIMUM CATHODE CURRENT	20 mA
English-primary bilingual extraction; published ratings promoted where clear.	

PENTODE 64l cTukor 67K4I1 npennazHaveH O YCHIICHHA HANPAKEHUS pentode has been designed for h.f. voltage amlification

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 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PENTODE	64	PENTODE 64l
BricOKO	6	BricOKO9acTOTHBIA NEHTOA C KOPOTKOH XapakTepH- The 6JK4T1 high-frequency short-characteristic
cTukor	67	cTukor 67K4I1 npennazHaveH O YCHIICHHA HANPAKEHUS pentode has been designed for h.f. voltage amplification
BLICOKOH	4	BLICOKOH 4acTOTHi B DPaJHOTEXHHYECKHX YCTPOMCTBaXx. in electronic devices.
Published electrical value	3	5 1 — ceTka nepsas; 2 — ceTKa TPETHA U 3KpaH; 3 — noxorpesa-
S €	7	S € 2 TeNb; 4 — MOOOTpeBaTeNs; 5 — aHon; 6 — ceTka Bropas; 7 —
Elw]w	5 W	Elw]w 5 KaTon
hd] — grid	4	hd] — grid 1; 2 — grid 3 and screen; 3 — heater; 4 — heater;
Published electrical value	7	p 5 — anode; 6 — grid 2; 7 — cathode
BuGpannoHHBIE HArpY	60 Hz	BuGpannoHHBIE HArpY3KM B QMana3oHe 4acToT OT Vibration: at frequencies from 1 to 60 Hz with acce-
Harpy	15	Harpy3ku ¢ yckopenneM g0 15 g. TemnepaTypa oKkpyxkako-
Published electrical value	6.3	316)¢ UGN 6,3 Reater o ivere i i i 6.3
CETKA BTOPOM .. .ivivrieernnnnienananaennnns	150	CETKA BTOPOM .. .ivivrieernnnnienananaennnns 150 BIId 2 L e 150
CETKHM TPETBEH . . . it ien s eeeeinennancnnnsn	0	CETKHM TPETBEH . . . it ien s eeeeinennancnnnsn 0 grid 3 .. e 0

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
CETKH BTOPOM oo vtiittieeeeinnanannnsans	1.7	CETKH BTOPOM oo vtiittieeeeinnanannnsans 4,5+1,7
grid	1.7	grid 2 .. e 4.5+1.7
ConporusieHye B ey katona, OM	68	ConporusieHye B ey katona, OM 68
BuyTpeHHee COnpOTHB/IeHHe, MOM =	68 Ohm	BuyTpeHHee COnpOTHB/IeHHe, MOM =0,2 Resistance in cathode circuit, Ohm 68
KpyTH	0.2 mA	KpyTH3Ha XapakTepHCTHKE, MA/B 59+1,1 Internal resistance, MOhm =0.2
OOGpaTHbIA TOK CETKH IepBoil (TIpH HanpsAKEHHH CETKH Transconductance, mA/V cinvieeievnnnn	59111 V	OOGpaTHbIA TOK CETKH IepBoil (TIpH HanpsAKEHHH CETKH Transconductance, mA/V cinvieeievnnnn.. 59111
nepBoit –	0.5 V	nepBoit —2 B), MKA =0,5 Inverse grid 1 current, at grid 1 voltage —2 V, uA =0.5
BXOOHAM © v veveniennccnnanarnnnnnnesonnssans	0.9 V	BXOOHAM © v veveniennccnnanarnnnnnnesonnssans 6,3ig:\$ +0.9
MPUt ... e	3	MPUt ... e 6.3 03
BBIXOOHAN .o vevrnesatneretnnnenneenesennn	6.31	BBIXOOHAN .o vevrnesatneretnnnenneenesennn 6,31?)'_%
OUEDUL v v e e ee e e et e e	63793 V	OUEDUL v v e e ee e e et e e 63793
TIPOXOOHAA .ot vtn vt ineenanenenannananonsans =	0.0035	TIPOXOOHAA .ot vtn vt ineenanenenannananonsans =0,0035 transfer l =0.0035
DnexTpudeckHe napameTpsl B TeveHne	4	DnexTpudeckHe napameTpsl B TeveHne 2000 4 ykcrty-
aTaLUAH: Electrical parameters over	2000	aTaLUAH: Electrical parameters over 2000 operating hours:
Published electrical value	2	O6GpaTHBIA TOK CETKH NEpBOH, MKA =2 inverse grid 1 current, LA =2
KPYTH	3.8 V	KPYTH3HA XapaKTepHCTHKHA, MA/B =3,8 transconductance, mA/V =3.8
Hpeue.m;nue	3	Hpeue.m;nue 3HAMEHHA JONYCTHMBIX Limit Values of Operating
pexXHMOB	3	pexXHMOB 3KCILTYaTalHH Conditions

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HAKATIA .. vvvvvern r aernnnnns	5.7	HAKATIA .. vvvvvern r aernnnnns 6,9 5,7 heater i, 6.9 5.7
F:V: (o)	300 V	F:V: (o)1 ϕ: N 300 anode i, 300
CEeTKM BTOpO®	150	CEeTKM BTOpO® 150 grid2 ... 150
LHMase DoOAOrpeBaTensd) tial	90	LHMase DoOAOrpeBaTensd) tial ... 90
iMase nogorpesarTens	90	iMase nogorpesarTens 90 tial [90
Tok katoma, MA	20 mA	Tok katoma, MA 20 Cathode current, mA 20
paccemBaeMas aH000M	3.5	paccemBaeMas aH000M 3,5
atanode ieenn	3.5	atanode ieenn 3.5
paccemBaeMas CeTkoi BTOpO#	0.9	paccemBaeMas CeTkoi BTOpO# 0,9
atgrid	0.9	atgrid2 ... i it 0.9
BOM, KOM cciiiiivnnnnnn	500 kOhm	BOM, KOM cciiiiivnnnnnn. 500 Resistance in grid 1 circuit, kOhm 500
Published electrical value	0	5 (Ugr=0v Ug]zfly -
g ANZ	3	g ANZ 2 -1.5ϕ [] 3 i e s e sy o e VA4
Published electrical value	-2	/-2 "=i bk ekl2l
Published electrical value	2	1 — aHOMHBIE; 2 — CETO4HO-aHOMHbBIE (O CeTKe BTOpOH); 3 — 1 — aHOnHBIC; 2 — CETOYHO-aHOAHBIE (IO CETKE BTOPOI)
HaubosbImas DONMYCTHMAas MOMIHOCTD, PacceMBaeMas aHOIOM Un=	0 V	HaubosbImas DONMYCTHMAas MOMIHOCTD, PacceMBaeMas aHOIOM Un=6,3 V, Ugz=100 V, Ugz=0 V
Un=	0 V	Un=6,3V, Up=150 V, Ugz=0V
I — anode	2	I — anode; 2 — grid-anode (for grid 2)
[g	1 mA	[g.1p2.mA Ig,lgz,flm
o Ugr=	0	o Ugr=0V
diamk	17	diamk 20,2501 17
Published electrical value	150	0.8 pv Ugz= 150V, /
Published electrical value	4	i 100 700 Ug¥ ' ! /mav ,) 4
Published electrical value	2	1 — anonHsle; 2 — ceTOMHO-aHOAHBIE (OO CETKE BTOPOH)
Published electrical value	2	1 — anode; 2 — grid-anode (for grid 2) YcpeaHeHHDbIE XapaKTEPHCTHKH:

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Un=	0	Un=63V, Up=50V, Ugp=0V
Published electrical value	2	1 — aHOAHO-CETOYHbIE; 2 — CETOMHEIE (IO CETKE BTOpOli)
Published electrical value	2	1 — anode-grid; 2 — grid (for grid 2)
Ip.md U, ', :flv Un=	0 uA	Ip.md U, ', :flv Un=63V, Ua=250V, Uga=0V
VI Vi Ay	14	VI Vi Ay 14 VcpnHeHHbIE XapakTePUCTHKH (TPHOHOE BKIIIOUCHAE)
Upr=	6.3	Upr=6,3V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical value	0	1 — anode; 2 — grid-anode (for grid 2); 3 — maximum Un=63V, Up=100V, Ugs=0V