



ELECTRONIC TUBE REFERENCE

7L055I

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Cathode-ray display tube documented in a bilingual Russian source. The available extracted material does not establish a sufficiently specific application, focusing method, or screen behavior for a narrower functional classification.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Cathode Ray

No fixed ratings recorded.

English-primary bilingual extraction; published ratings promoted where clear.

CathodeRay 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 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
TPYBKA	3	TPYBKA 3JIEKTPOHHOJIYYEBAS
Published electrical value	1	1. OBIIE CBEIEHHA
Published electrical value	7	3nextrponnoayyesas TPyOxka 7JIOG5H ¢ saekTpocTaTHUECKMH (DOKYCHPOBKOH H
OTKJIOHEHHEM	3	OTKJIOHEHHEM 3JEKTPGHHOTG Jyua, C 3e/eHbIM IBETOM CBeYeHHS 3KpaHa, O CpeJHHM
BpEMeHeM IMocjlecBedeHts], IpeiHa	3	BpEMeHeM IMocjlecBedeHts], IpeiHa3Hayena A5l PerHCTPaLHH 3JeKTPHYECKHX MPOILECCOB
Published electrical value	12	12 ITnacTyHa cHpyanbHas ¥y
Published electrical value	3	2. YCJIOBHUS 3KCIIYATAUMH
Published electrical value	3	2.1. 3JIT monyckamT 3KCINyaTalHi0 B YCAOBHAX BO3JeHCTBHA HAa HHX CJAeAYIO-
~ BUOPALMOHHLIX HATPY	1000 Hz	~ BUOPALMOHHLIX HATPY30K B AMana3oHe yacToT of 1 po 1000 Hz ¢ yckopenuem
— MHOTOKPATHBIX YA	40	— MHOTOKPATHBIX YA2POB € yckopehueMm Ao 392 m/s? (40 g) NIpH AJHTEJBHOCTH
yaapa (	10	yaapa (2—10) ms
Published electrical value	3	2.2. JIT pomyckaloT 3KCIMIyaTalMio B YCJOBHAX BO3ACHCTBHA Ha HHX CHEAYIO-
— TeMmepaTyphbl BO	213	— TeMmepaTyphbl BO3JlyXa HJH JAPYrora pasa (Kpoue arpeccHHoro) ot 213 K
— OTHOCHTeJIbHOH BJAAXHOCTH Bo	308	— OTHOCHTeJIbHOH BJAAXHOCTH Bo3ayXa no 98% mpu Temmepatype jgo 308 K;
— mnoHHXKeHHOTro arMmoctheproro zxasnennst	53600	— mnoHHXKeHHOTro arMmoctheproro zxasnennst 53600 Pa;

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
– TOBHILEHHOro [faBjeHHs Bo	297198	— TOBHILEHHOro [faBjeHHs Bo3ayxa 297198 Pa.
Published electrical value	3	3. OCHOBHBIE TEXHHWYECKHE [JAHHBIE
Published electrical value	3.1	3.1.ONeKTPHUECKHE H CBETOTEXHHUECKHE NapaMeTph
Hanpsaxenne Hakana, V	6.3 V	Hanpsaxenne Hakana, V. 6,3
Tox wakana, A . e e e	330 mA	Tox wakana, A . e e e 0,27—0,33
Hanpmxeme Ha	180	Hanpmxeme Ha 1-m aHone Voo 80—180
Hanpsxenne Ha	1100 V	Hanpsxenne Ha 2-M anoze, V. 1100
Hanpsxenne Ha	2000 V	Hanpsxenne Ha 3-M anoze, V. e e 2000
Hampsixkerue sanupaiolee, OTpHLaTEJIbHOE Vo	38	Hampsixkerue sanupaiolee, OTpHLaTEJIbHOE Vo, 114—38
rpuna coxycHpOBAHHOM JIHhhh B LEHTDE	5	rpuna coxycHpOBAHHOM JIHhhh B LEHTDE 5KpaHa npH ;{pKocm
ceeyeHHs skpaHa	0.7 mm	ceeyeHHs skpaHa 32 cd/m? mm, He Gojee . . 0,7
Published electrical value	63 V	32 cd/m?, V, me 6oaee . . 63
qYBCTBHTEJIbHOCTb K OTKJIOHEHHIO BpemeHHbe rmacmu mm/V	0.15 V	qYBCTBHTEJIbHOCTb K OTKJIOHEHHIO BpemeHHbe rmacmu mm/V 0,10—0,15
UyBCTBHTEILHOCTb K OTKJOHEHHIO CHTAJBHBIX WJactHH, mm/V	0.18 V	UyBCTBHTEILHOCTb K OTKJOHEHHIO CHTAJBHBIX WJactHH, mm/V 0,12—0,18
Published electrical value	600	32 JnexTpHUECKHEE TNapaMeTpn B TeueHHe 600h skcnuay-
Nlupuna cPOKYCHPOBAHHOH JIHhhh B LeHTpPe cKpana, mm, He Golee	1 mm	Nlupuna cPOKYCHPOBAHHOH JIHhhh B LeHTpPe cKpana, mm, He Golee 1,0
Hanpsaxenne MOLYJAIHH, V, He Gosee	70 V	Hanpsaxenne MOLYJAIHH, V, He Gosee 70
HpKOCTb TMapa	0.1	HpKOCTb TMapa3yTHOTO cBeueHHus, cd/m?, He 60Jlee e e 0,1
IpenenbHHe	3	.IpenenbHHe 8HAUEHHT KONYCTHMBX DeXHMOB 3KCHJAY-
Hanpmkenne Haxama, V . . e e	6.9 V	Hanpmkenne Haxama, V . . e e 5,7—6,9
Hamnps:xenne Ha	500 V	Hamnps:xenne Ha 1-M aHogme, V, He Gosee 500
Hanpaxenne Ha	1100 V	Hanpaxenne Ha 2-m anome, V loo0—1100

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Hanpsxenue Ha	2000 V	Hanpsxenue Ha 3-M aHome, V 1800—2000
Hanpsxenne KaTon— nonorpeBaTe.nb vV ot muHyc	0	Hanpsxenne KaTon—nonorpeBaTe.nb vV ot muHyc 125 go 0
Hanpsaxenue Ha Mopyasitope, V . . . or MPIHyC	0 V	Hanpsaxenue Ha Mopyasitope, V . . . or MPIHyC 200 o 0
ConpoTrBlIeHne B LeIH MOAYJAATOPA, MQ He éo.nee	1.5	ConpoTrBlIeHne B LeIH MOAYJAATOPA, MQ He éo.nee . . . 1,5
HappaxeHne MexAy Jmo	2	HappaxeHne MexAy Jmo6ofi H3 OTKJIOHAIONIHX MAacTHE u 2-M
agogoM, V. or MuHyc	450 V	agogoM, V. or MuHyc 450 mo 450
upu uacroe	1 Hz	upu uacroe 50 Hz, MQ . . 1,0
OTHoeHne HaANpAMXMCHUA Ha	2	OTHoeHne HaANpAMXMCHUA Ha 3-m aHOlle KHanpfix«:eymo Ha 2M
aHofe, He OoJee .o	2	aHofe, He OoJee .o 2
Published electrical value	4	3. 4. KOHCprKTHBHHe fl.aHHble
Macca IJIT, g, He Goe	300	Macca IJIT, g, He Goe 300
manga JIT, mm, He Gomee . . T f (	0 mm	manga JIT, mm, He Gomee . . T f (0
nuaMerp skpana	10 mm	nuaMerp skpana 3IJIT, mm, He Gomee 10
Published electrical value	2 W	4, YKASAHHNY 110 MPUMEHEHWIO W 2KCIVIVATAUWMNK
Published electrical value	4.1	4.1. He ponyckaerks skcnayartanus JIT omHoBpeMeHHO OpPH JABYX H GoJee
npefesbHO LONYCTHMBIX	3	npefesbHO LONYCTHMBIX 3HAYEHHAX N1apAMETPOB 3JIEKTPHUECKHX PEKUMOB.
Published electrical value	3	42. 2JIT HoMXKHEL 3aKPeJATHCH B alnapaType NPH NOMOINM aMOPH3HPYIOIHX
He nomyckaeTcs HeNOCPeACTBCHBIH KOHTAKT	4	He nomyckaeTcs HeNOCPeACTBCHBIH KOHTAKT 0aliloHa ¢ METAJVIMYECKMH 4acTs-
Published electrical value	4.3	4.3. Tipu paspaboTke PaguOdIeKTPOHHOH anmapaTypbl pPekOMeHAYeTcs NpePy-
CMOTPETh aBTOMATHYECKOe	3	CMOTPETh aBTOMATHYECKOe 3aMHPaHHe B3JeKTPOHOpO Jyda AJs I[pely]peXXAeHHs

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical value	3	4.4. PexoMeHAyeTcsl HPEAYCMATPHBATL 3aLIHTY PaJHOIEKTPOHHON anmapaTypsl
Published electrical value	5	5. XPAHEHHE
POBaHHEIMH B alllapaTypy B OTailJIMBaeMbIX CKJajzax NpH Temmeparye ot	278	POBaHHEIMH B alllapaTypy B OTailJIMBaeMbIX CKJajzax NpH Temmeparye ot 278 K ao
Published electrical value	298	313 K ¥ OTHOCHTeILHOH BJAXKHOCrH BO3Ayxa go 80% mpu temmeparye 298 K.
Published electrical value	2	2JIT cooTBeTCTBYET TEXHHYECKHM YCJOBHAM,
HEeHHA HX OT KOPPO	3 A	HEeHHA HX OT KOPPO3HH, a TOTOMY, IDH BBOIE HpHrOpoB B 3KCILIyaTaumio, CJenyer

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