

Ruggedized Russian double-anode kenotron with common cathode for low-power rectifier service. Rated for approximately 900 V peak inverse voltage and 72 mA DC output from a 6.3 V heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	900 V
NOMINAL OUTPUT CURRENT	72 mA
WARM-UP TIME	150 s
Representative section row from the complete filename-matched Russian datasheet content only; neighboring-tube fragments excluded.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	900 V
NOMINAL OUTPUT CURRENT	72 mA
WARM-UP TIME	150 s

Heoiinoit xeHoTpoH 6LI4[1-EB ¢ obwuM xaTtomom The 6UA4IT-EB double kenotron with a common npeArasHauyeH s paboTel B KayeCTBe MAaJIOMOILLHBIX cathode has been designed for use as a low-

power ! — diode 1 anode; 2 — vacant; 3 — heater; 4 — heater; 5 — cathode; 6 — vacant; 7 — diode 2 anode

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 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	=350 mA	Hanpaxeuse, B: Voltage, V: HAKAMMA .o oot ti e in et ieieee i ieensaaanenas 6,3 heater o 6.3 avoma kaxaoro adosaa (mpu roke anoza 150 MA) =50 anode of each diode, at anode current 150 mA ... =350
Plate current	45 mA	HAKAMMA .o oot ti e in et ieieee i ieensaaanenas 6,3 heater o 6.3 avoma kaxaoro adosaa (mpu roke anoza 150 MA) =50 anode of each diode, at anode current 150 mA ... =350 TOK HAKaMa, MA ttt ein i eniaannns 450%45
Heater current	45 mA	avoma kaxaoro adosaa (mpu roke anoza 150 MA) =50 anode of each diode, at anode current 150 mA ... =350 TOK HAKaMa, MA ttt ein i eniaannns 450%45 Heater current, mA
Heater current	45 mA	TOK HAKaMa, MA ttt ein i eniaannns 450%45 Heater current, mA 450+45
Heater current	45 mA	Heater current, mA 450+45 BeHTHALHAN MPOYHOCTH:
Rectified current	=75 mA	BeHTHALHAN MPOYHOCTH: BLITPAMIIEHHBIH TOK, MA =75 Rectifier strength: MEPEMEHHOE HANPAXKEHUE BTOPHYHON OOMOTKH rectified current, mA L =75
Rectified current	2 mA	BLITPAMIIEHHBIH TOK, MA =75 Rectifier strength: MEPEMEHHOE HANPAXKEHUE BTOPHYHON OOMOTKH rectified current, mA L =75 Tpauchopmatopa, Badd. l 2% 350 transformer secondary alternating voltage, V (

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rectified current	5.2 mA	MEPEMEHHOE HANPAXKEHUE BTOPHYHON OOMOTKH rectified current, mA ... L =75 Tpauchopmatopa, Badd. ... 2% 350 transformer secondary alternating voltage, V (r.m.s.) 2x350 COMpPOTHBNEHHE HATPY3KH, KOM ... 52 load resi
Rectified current	5000 mA	OnekTpuyeckue napamerpsi B TeueHne 5000 4 akcriny- aTauMu: Electrical parameters over 5000 operating hours: COXpAHEHHUE BEHTHNbHON MPOYHOCTH NPH BLIMPAM-retainment of rectifier strength at rectified current
Rectified current	68 mA	aTauMu: Electrical parameters over 5000 operating hours: COXpAHEHHUE BEHTHNbHON MPOYHOCTH NPH BLIMPAM-retainment of rectifier strength at rectified current JIEHHOM TOKe He MeHee 68 MA at least 68 mA
Rectified current	68 mA	COXpAHEHHUE BEHTHNbHON MPOYHOCTH NPH BLIMPAM- retainment of rectifier strength at rectified current JIEHHOM TOKe He MeHee 68 MA at least 68 mA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Load resistance	8 kOhm	Tpauchopmatopa, Badd. ... 2% 350 transformer secondary alternating voltage, V (r.m.s.) 2x350 COMpPOTHBNEHHE HATPY3KH, KOM ... 52 load resistance, KOhm ... 5.2 eMKOCTb GuabTpa, MkD ... 8 filter
Load resistance	4 kOhm	COMpPOTHBNEHHE HATPY3KH, KOM ... 52 load resistance, KOhm ... 5.2 eMKOCTb GuabTpa, MkD ... 8 filter capacitance, uF ... 8 OnekTpuyeckue napamerpsi B TeueHne 5000 4 akcriny-
Filter capacitance	5000 uF	eMKOCTb GuabTpa, MkD ... 8 filter capacitance, uF ... 8 OnekTpuyeckue napamerpsi B TeueHne 5000 4 akcriny- aTauMu: Electrical parameters over 5000 operating hours:
Published electrical data	3	Iipenenbhsie 3HAYEHHA TOMYCTHMBIX Limit Values of Operating
Published electrical data	6.6; 6.0	HAKAMA ooieeeeeine ., 6.6 6,0
Published electrical data	100; 100	udane ronorpesaTens ... 100 tial Lo 100

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	1000 V	NpH OTPHUATENBHOM I[OTEH- with heater at negative poten- uMasne roaorpeBaTens 400 tial ... 400 AMILTHTY A2 0OpaTHOTO HANPSIKEHUA Peak reverse anode voltage, V 1000
Plate voltage	1000 V	uMasne roaorpeBaTens 400 tial ... 400 AMILTHTY A2 0OpaTHOTO HANPSIKEHUA Peak reverse anode voltage, V 1000 aHoma, B , 1000
Plate current	300 mA	AMILTHTY A2 0OpaTHOTO HANPSIKEHUA Peak reverse anode voltage, V 1000 aHoma, B , 1000 Peak anode current, mA 300
Plate current	300 mA	aHoma, B , 1000 Peak anode current, mA 300 AMIIMTYJa TOKA aHOHA, MA 300
Plate current	250 mA	Peak anode current, mA 300 AMIIMTYJa TOKA aHOHA, MA 300 Anode current (pulfse), mA 250
Plate current	250 mA	AMIIMTYJa TOKA aHOHA, MA 300 Anode current (pulfse), mA 250 Tox aHoaa B UMOyAbLCE, MA 250
Plate current	30 mA	Anode current (pulfse), mA 250 Tox aHoaa B UMOyAbLCE, MA 250 Bpems roToBHOCTH, € 30 Warm up period, s 30
Warm-up time	150 s	Tox aHoaa B UMOyAbLCE, MA 250 Bpems roToBHOCTH, € 30 Warm up period, s 30 Temneparypa 6annosa, °C 150 Bulb temperature, °C
Warm-up time	150 s	Bpems roToBHOCTH, € 30 Warm up period, s 30 Temneparypa 6annosa, °C 150 Bulb temperature, °C 150
Bulb temperature	150 C	Temneparypa 6annosa, °C 150 Bulb temperature, °C 150



SOURCE DATA APPENDIX

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 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage nominal	6.3 V	Published heater operating voltage
Heater current nominal	450 mA	Nominal or midpoint of published heater-current tolerance
Plate current at 50 V	150 mA	Minimum
Rectified current	72 mA	350 V AC, 5.2 kOhm, 8 uF
Service life	5000 h	Published

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	900 V	Published limit