

ELECTRONIC TUBE REFERENCE

6D14P

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Russian high-voltage damping diode designed for television horizontal-deflection service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.125 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PLATE RESISTANCE	175 Ω
PEAK INVERSE VOLTAGE	5500 V
NOMINAL OUTPUT CURRENT	150 mA
Representative section row from the complete filename-matched Russian datasheet content only; neighboring-tube fragments excluded.	

High-voltage damping diode for television horizontal-deflection service.

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
Published electrical data	6.3; 6.3	HAKATA . oiitttneeeeeeniinesninnaeraannnnnss 6,3 heater 6.3
Published electrical data	20; 20	AHOMA © oot vee s iie e eaaanennaneseannannsas 20 ANOAE ... etet 20
Published electrical data	1.125; 0.125	HAKAMA .ottt ittt ettt e e et et eennaann 1,125+0,125 heater iii
Plate resistance	=175x1073 ohm	i i i e 1.125+0.125 AHOMA « ot v vee eannnnn =175-10"3 ANOAE ...t =175x1073 BHyTpeHHee conpoTHBIeHHE (MIPH TOKE aHOOA B UM- Internal resistance, at anode pulse current
Plate resistance	=90 ohm	AHOMA « ot v vee eannnnn =175-10"3 ANOAE ...t =175x1073 BHyTpeHHee conpoTHBIeHHE (MIPH TOKE aHOOA B UM- Internal resistance, at anode pulse current nynbee 400 MA), OM ... i, =90 400mA,Ohm ... =90
Plate resistance	=90 ohm	BHyTpeHHee conpoTHBIeHHE (MIPH TOKE aHOOA B UM- Internal resistance, at anode pulse current nynbee 400 MA), OM ... i, =90 400mA,Ohm ... =90 DneXTpu4ecKas NpPOYHOCTh: Electrical strength:
Rectified current	50 mA	BBIIPAMJICHHBIIH TOK (CpeaHuif), MA 150+ 10 rectified current (average value), mA 150+ 10 TOK aHOOA B HMOYABCE, MA 550+50 anode pulse current, mA
Published electrical data	550; 50	MA 550+50 anode pulse current, mA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	0.5 V	nynbee 400 MA), OM ... i, =90 400mA,Ohm ... =90 DneXTpu4ecKas NpPOYHOCTh: Electrical strength: o6paTHOe HampsXeHKe aHoJa B ummynbce, kB 5,6+0,5 reverse anode pulse voltage, kV 5.6%+0.5
Peak inverse voltage	10 V	DneXTpu4ecKas NpPOYHOCTh: Electrical strength: o6paTHOe HampsXeHKe aHoJa B ummynbce, kB 5,6+0,5 reverse anode pulse voltage, kV 5.6%+0.5 BBIIPAMJICHHBIH TOK (CpeaHuif), MA 150+ 10 rectified current (average
Peak inverse voltage	10 V	o6paTHOe HampsXeHKe aHoJa B ummynbce, kB 5,6+0,5 reverse anode pulse voltage, kV 5.6%+0.5 BBIIPAMJICHHBIH TOK (CpeaHuif), MA 150+ 10 rectified current (average value), mA 150+ 10 TOK aHOAA B HMOY
Published electrical data	3	[IpeaenbHbie 3HaYeHHA AONYCTHMBIX Limit Values of Operating
Published electrical data	6.9; 57	nakama, B ...l 6,9 57 heater,V
Published electrical data	12; 5.6; 103; 12; 5.6; 103	aynsea He Gonee 12 Mkc), kB ... 5,6'103 most 12 s, KV ovovn... 5.6 103
Published electrical data	750; 750	LHane NOJOrpeBaTes 750 - tial Lo 750
Published electrical data	100	IHaJie NOOorpeBaTens 100 - .
Published electrical data	06; 100	06paTHOe HANpSKEHHE HA AHOIE tial ... 100
Rectified current	150 mA	B HMITYIbCE (TPH OPONOIKATENb- reverse anode pulse voitage, at HOCTH HMIyNbca 12 Mkc), kKB 5,6 - pulse duration 12 us, kV 5.6 BeinpAMeHHbI TOK (CpeaHee 3Haue- Rectified current (average value), mA 150

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rectified current	600 mA	HOCTH HMIyNbca 12 Mkc), kKB 5,6 - pulse duration 12 us, kV 5.6 BeinpAMeHHbI TOK (CpeaHee 3Haue- Rectified current (average value), mA 150 HHE), MA iiiiiiiennnn, 150 - Anode pulse current, mA 600
Rectified current	20 mA	BeinpAMeHHbI TOK (CpeaHee 3Haue- Rectified current (average value), mA 150 HHE), MA iiiiiiiennnn, 150 - Anode pulse current, mA 600 Tok axona B HMIybCE, MA 600 - Pulse repetition frequency, kHz 20
Published electrical data	600; 20	Tok axona B HMIybCE, MA 600 - Pulse repetition frequency, kHz 20
Published electrical data	20; 12; 12	Yacrora ciefoBaHyc ymnyneca, kK 20 12 . 12
Bulb temperature	230 C	Yacrora ciefoBaHyc ymnyneca, kK 20 12 . 12 JUIATENHHOCTS HMITYTECA, MKC 12 - Pulse duration, s Temmepatypa 6amiona, °C..... 230 — Bulb temperature, °C 230
Bulb temperature	230 C	JUIATENHHOCTS HMITYTECA, MKC 12 - Pulse duration, s Temmepatypa 6amiona, °C..... 230 — Bulb temperature, °C 230
Bulb temperature	230 C	Temmepatypa 6amiona, °C..... 230 — Bulb temperature, °C 230
Published electrical data	400; 73	400 Vepennesras aHOAHAA XapaKTEPHCTHKA % ' 73
Published electrical data	320; 8	320 Averaged anode characteristic: 8o i
Published electrical data	200	200 T VAR JU !
Published electrical data	160	160}— ; - A » “any
Published electrical data	200; 4	i ! — : ; VepenHenHas MMIOy/IbCA AHOOHAK XapaKTEPHCTHKA 200 4 :
Published electrical data	40; 100	40[: /f : : ; Averaged pulse anode characteristic: 100 :
Published electrical data	63	wd EEEEE Un=63V .



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	1.125 A	Nominal or midpoint of published heater-current tolerance
Plate current at 20 V	175 mA	Published
Rectified current	150 mA	Damper service test
Service life	1000 h	Minimum

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	5500 V	Pulse