



ELECTRONIC TUBE REFERENCE

6K1P

Voltage Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Russian pentode documented in bilingual manufacturer literature. The available source establishes pentode operation but does not provide sufficiently explicit functional or cutoff terminology to support a narrower classification conservatively.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	450000 Ω
TRANSCONDUCTANCE	0.00185 S
MAXIMUM PLATE VOLTAGE	275 V
MAXIMUM SCREEN VOLTAGE	210 V
MAXIMUM PLATE DISSIPATION	1.8 W
MAXIMUM SCREEN DISSIPATION	0.33 W
<i>Promoted values translated from the complete filename-designated Russian entry only.</i>	

6K1P: Pentode vacuum tube from 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 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol BBICOKOH	4 A	Ha3HaueH s yCHICHWS HaNpSKEHUs BBICOKOH 4acCTOTHI. has been designed for h.f. voltage amplification.
Source symbol B	19 mA	B 19max
Source symbol AHala3oHe	4 A	Bubpaunonnsle Harpy3kd B AHala3oHe 4acToT oT 1 Vibration: at frequencies from 1 to 50 Hz with
Source symbol oT	1 V	Bubpaunonnsle Harpy3kd B AHala3oHe 4acToT oT 1 Vibration: at frequencies from 1 to 50 Hz with
Source symbol to	50 Hz	Bubpaunonnsle Harpy3kd B AHala3oHe 4acToT oT 1 Vibration: at frequencies from 1 to 50 Hz with
Source symbol Bo	3 A	HOCTb Bo3ayxa no 98% mpu temnepatype no 25 °C. JaB- —60 to +70 °C. Relative humidity: up to 98% at up to
Source symbol cansannes	250 A	BHOMA . ovvein i iiiennannanenannncansannes 250 anode ... 250
Published electrical parameter	6.651+2.25 A	- 1.) 6,651+2,25 aANode ... e 6.651+2.25
Published electrical parameter	-3 Ω	-3 Qo 1 U S 3,4f0,7 Capacitance, pF:
Source symbol i	215 A	AHOMA oni i 215 anode o.iiiieiieen. 275
Published electrical parameter	1.8 A	pacceMBaeMasi aHOOOM 1,8 atanode 1.8
Source symbol ropoit...	330 mA	paccensaeMas ceTkoit sropoit... 0,33 atgrid2 i 0.33
Published electrical parameter	125 V	L Ugg= 125V T for g2 =gV .

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical parameter	-2 V	'I; ; : ' %U?V"" X // -2V.
Published electrical parameter	5 V	0 40 80 120 160 200 740 280 320Uyl dirgr= 5V
Published electrical parameter	26 V	VYepenHeHHble aHOIHbIE XaPAKTEPHCTUKH = 26V 3V
Source symbol V	3 V	VYepenHeHHble aHOIHbIE XaPAKTEPHCTUKH = 26V 3V
Published electrical parameter	6.3 V	Un=6,3V, Uy==3V § Tt-8V
Published electrical parameter	3 V	Un=6,3V, Uy==3V § Tt-8V
Source symbol Tt	-8 V	Un=6,3V, Uy==3V § Tt-8V
Plate	10 V	Averaged anode characteristics: = ";7 4 10V,
Published electrical parameter	63 V	Un=63V, Uy=-3V [~}-20v!
Published electrical parameter	-3 V	Un=63V, Uy=-3V [~}-20v!
Published electrical parameter	-20 V	Un=63V, Uy=-3V [~}-20v!
Published electrical parameter	100 V	- smAl. Un=6,3V, Uga=100 V
Published electrical parameter	10 A	10 Averaged characteristics:
Published electrical parameter	4 V	+ — : 1' 4 VYcepenHeHHbIE XapaKTePHCTHKH:
Published electrical parameter	250 V	R s 'NITE) Un=6,3 V, Us=250V, U =100V



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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal heater voltage	6.3 V	Published source value
Nominal heater current	150 mA	Published source value
Guaranteed service life	500 h	Published source value
Transconductance	1850 μ S	Published operating point
Plate resistance	450000 Ohm	Published operating point