



ELECTRONIC TUBE REFERENCE

6S41S

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Russian high-frequency triode documented for high-frequency electronic service; available source evidence does not support a narrower functional assignment.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	450 V
MAXIMUM PLATE DISSIPATION	25 W
MAXIMUM CATHODE CURRENT	310 mA
<i>Promoted-field completeness audit performed from English ratings/characteristics.</i>	

6S41S: Russian-source high-frequency triode; technical description translated to English.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 Electronintorg

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1968 ELECTRONINTORG

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
anode [1]	110	Height: at most 110 mm. 1—heater; 2— de; 3—hode; 4- de; 5 - grid; 6 - anode;
anode [2]	1	Height: at most 110 mm. 1—heater; 2— de; 3—hode; 4- de; 5 - grid; 6 - anode;
anode [3]	2	Height: at most 110 mm. 1—heater; 2— de; 3—hode; 4- de; 5 - grid; 6 - anode;
anode [4]	3	Height: at most 110 mm. 1—heater; 2— de; 3—hode; 4- de; 5 - grid; 6 - anode;
anode [5]	4	Height: at most 110 mm. 1—heater; 2— de; 3—hode; 4- de; 5 - grid; 6 - anode;
anode [6]	5	Height: at most 110 mm. 1—heater; 2— de; 3—hode; 4- de; 5 - grid; 6 - anode;
anode [7]	6	Height: at most 110 mm. 1—heater; 2— de; 3—hode; 4- de; 5 - grid; 6 - anode;
heater [1]	47.5	Diameter: at most 47.5 mm. 7 - heater
heater [2]	7	Diameter: at most 47.5 mm. 7 - heater
temperature, °C [1]	147 C	CYCKOPEHNMEM, M/CZ e, 147 Ambient temperature, °C —10to +55
temperature, °C [2]	-10 C	CYCKOPEHNMEM, M/CZ e, 147 Ambient temperature, °C —10to +55
temperature, °C [3]	55 C	CYCKOPEHNMEM, M/CZ e, 147 Ambient temperature, °C —10to +55
Mutual conductance, mA/V [1]	12 mA/V	 12-26 Mutual conductance, mA/V
Mutual conductance, mA/V [2]	-26 mA/V	 12-26 Mutual conductance, mA/V
current, uA,atmost [1]	6 uA	O6paTHbIV TOK CeTKU, MKA, He 6onee 5 Inverse grid current, uA,atmost 5

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
current, uA,atmost [2]	5 uA	O6paTHbIV TOK CeTKU, MKA, He 6onee 5 Inverse grid current, uA,atmost 5
current, uA,atmost [3]	5 uA	O6paTHbIV TOK CeTKU, MKA, He 6onee 5 Inverse grid current, uA,atmost 5
cathode circuit, & [1]	40 ohm	ConpoTtuBnenu B uenm katoga, OM 40 Resistance in cathode circuit, & 40
cathode circuit, & [2]	40 ohm	ConpoTtuBnenu B uenm katoga, OM 40 Resistance in cathode circuit, & 40
heating time, s,atmost [1]	6 s	Bpems pasorpesa katopa, φ, He 6onee 70 Cathode heating time, s,atmost 70
heating time, s,atmost [2]	70 s	Bpems pasorpesa katopa, φ, He 6onee 70 Cathode heating time, s,atmost 70
heating time, s,atmost [3]	70 s	Bpems pasorpesa katopa, φ, He 6onee 70 Cathode heating time, s,atmost 70
output [1]	3	e 3-9 output 3-9
output [2]	-9	e 3-9 output 3-9
output [3]	3	e 3-9 output 3-9
output [4]	-9	e 3-9 output 3-9
heater,atmost [1]	70	Karop-nogorpesartens, He bonee 70 cathode-heater,atmost 70
heater,atmost [2]	70	Karop-nogorpesartens, He bonee 70 cathode-heater,atmost 70
current, mA, atleast [1]	20004 mA	20004 akcnnyaTauum: andoe current, mA, atleast 150
current, mA, atleast [2]	150 mA	20004 akcnnyaTauum: andoe current, mA, atleast 150
current, uA,atmost [1]	150 uA	TOK aHOga, MA,HEMEHee 150 inverse grid current, uA,atmost 15
current, uA,atmost [2]	15 uA	TOK aHOga, MA,HEMEHee 150 inverse grid current, uA,atmost 15
dissipation, W	310 W	TokaHopa, MA 310 Anode dissipation, W
heater, V [1]	25 V	PacceBaeman MOWHOCTL @aHogom, BT 25 Voltage between anode and heater, V -300to +300

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
heater, V [2]	-300 V	PaccevBaeman MOWHOCTL @aHogom, BT 25 Voltage between anode and heater, V -300to +300
heater, V [3]	300 V	PaccevBaeman MOWHOCTL @aHogom, BT 25 Voltage between anode and heater, V -300to +300
temperature, °C [1]	-300 C	nogorpesatenem,B L —300- +300 Bulb temperature, °C 270
temperature, °C [2]	300 C	nogorpesatenem,B L —300- +300 Bulb temperature, °C 270
temperature, °C [3]	270 C	nogorpesatenem,B L —300- +300 Bulb temperature, °C 270



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

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical parameter	0 Ω	при !}„—63 В, (/д- 90 В, !?н 0 Ом
Reverse current	<5 мКА	Обратный ток сетки . <5 мКА
Published electrical parameter	<100 μA	Ток утечки между катодом й подотривателем < 100 мКА
Plate resistance	159 Ω	Внутреннее сопротивление . . 159 Ом
Published electrical parameter	2 кΩ	Напряжение виброшумов (при Ка=2 кОм) , <300 мВ
Published electrical parameter	<45 pF	катод — подогреватель. , ... <45 пФ
Service life	>1259 h	Наработка. >1259 ч
Plate current	>150 mA	ток анода . . . к, > 150 mA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Reverse current	<15 μA	обратный ток сетки $U_g < 15$ мкА
Heater voltage	5.7–6.9 V	Напряжение накала 5,7—6,9 В
Published electrical parameter	450 V	Напряжение, 450 В
Published electrical parameter	600 V	То же при включении лампы 600 В
Published electrical parameter	0.5–250 V	Напряжение сетки отрицательное . . 0,5—250 В
Published electrical parameter	300 V	Напряжение между катодом и подогревателем 300 В
Plate current	310 mA	Ток анода й В. 310 мА
Dissipation / power	25 V	Мощность, рассеиваемая анодом . . ., 25 Вт
Resistance	0.2 MΩ	Сопротивление в цепи сетки, 0,2 МОм*
Published electrical parameter	1.5 MΩ	1,5 МОм.

TUBE TINKER

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